Today: Mostly sunny, 53°F (12°C) Tonight: Mostly clear, 35°F (2°C) Tomorrow: Partly cloudy, 50°F (10°C) **Details, Page 2** 

Volume 121, Number 17

Cambridge, Massachusetts 02139

Tuesday, April 10, 2001



AARON D. MIHALIK—THE TEC

320°F BELOW ZERO—Joshua C. Randall '01 (left) and Jeffrey C. Barrett '02 use liquid nitrogen and all-natural ingredients to produce a blend of ice cream unique to East Campus during Campus Preview Weekend.

# MIT Ranks First in Engineering

By Maria Wang

MIT received top rankings in U.S. News and World Report's annual graduate school survey.

For the 13th straight year, MIT's School of Engineering was ranked first.

"It's wonderful seeing our educational research program acknowledged that way," said Dean of the School of Engineering Thomas L. Magnanti.

Magnanti said that three major elements distinguished the MIT engineering program. "First of all, the students and faculty. Secondly, MIT is an icon for engineering. Thirdly, the accomplishments of research and educational innovations."

"We're currently working with the Council on Educational Technology and I-Campus, which is a partnership with Microsoft to develop informational technologies that improve higher education," Magnanti added.

Some question value of rankings

Although administrators and

#### **Engineering Graduate School Rankings**

School	Overall Score
1. Massachusetts Institute of Technology	100
2. Stanford University	91
3. University of California — Berkeley	88
4. University of Michigan — Ann Arbor	86
5. Georgia Institute of Technology	85
6. University of Illinois — Urbana-Champaign	83
7. California Institute of Technology	82
8. Carnegie Mellon University	80
9. Cornell University	78
10. University of Texas — Austin	77
	S. NEWS & WORLD REP

department heads were pleased with MIT's high assessments, most of them agreed that the rankings have their limitations.

"There's not a gigantic difference between 4.9 and 5.0," said Head of the Department of Economics Olivier J. Blanchard PhD '77. Blanchard was referring to the scale for average reputation score, in which 5.0 was the highest ranking.

Head of the Department of Mathematics David A. Vogan PhD '76, went further, saying, "I don't really have a high opinion of polls; they're just a popularity contest and hard to take very seriously." Vogan added that "the rankings reflect broadly what is correct and help students understand which five or ten

Rankings, Page 20

OPINION

# MIT Makes Changes, Renames Residential Coordinator Position

By Matthew Palmer

The Office of Residential Life and Student Life Programs has revised its description for Residential Coordinators, and given them a new name.

The latest description focuses more on the specific services that the newly renamed Residential Life Associates will provide. The main characteristics remain unchanged; four RLAs will still be housed in undergraduate and graduate residences to provide various support services to the MIT community.

"We always had a support role in mind," said Assistant Dean for RLSLP Katherine G. O'Dair. "The first [job description] didn't reflect that." She said that the new name also better reflects their responsibilities.

The new description says that an RLA "offers resources, skills, and energy in the areas of crisis response, event planning, activities support, training, and effective communication between MIT's student life administration and residence halls."

"I think the current language is much stronger, clearer, and allows people to really see the proposed functions for the RLAs," said Dean for Student Life Larry G. Benedict. Specifically, he said it emphasizes that "this person is not going to be a disciplinarian."

This draft may be revised until the RLAs take office, but O'Dair said major changes are unlikely. "We asked for and received feedback," she said. "The housemasters have approved, and [Benedict] is in the process of approving it."

The new job description has "much better stated the intentions of the program, which is to provide better staff support and promote administration and community communication," said Dormitory Council President Jeffrey C. Roberts '02. He said the description was reconstructed with the help of student input, much of which was channeled through Dormcon.

Benedict also said that commu-

nity input was important to the revision. "The final draft we are now using reflects student, staff, and housemaster input," he said. RLSLP and Benedict held several forums and meetings with dorms to gauge public opinion.

#### McCormick to house an RLA

McCormick Hall is planning on housing an RLA, which may replace the need for Burton-Conner House to do so, said McCormick Housemaster Charles Stewart III.

Benedict said the residences of the RLAs should finalized by next week.

McCormick will accept an RLA as long as the offices will be in a separate dormitory, said hall President Kelly V. Chin '02. The current plan is to convert several rooms in Burton-Conner into RLA offices.

Stewart said the dorm used to have a one bedroom apartment that housed an Associate Housemaster. It has since been renovated into student rooms, which will soon be converted into an RLA residence.

One concern of McCormick residents is the traffic that might be generated by having an RLA in their dorm. Chin said the RLA's room should be next to an elevator so students meeting with him do not intrude on the all-female community.

Stewart said that the RLAs would not only be working from their apartments, but also from their offices and around campus. "A lot of the business of [the RLAs] will be going out and meeting groups of students," he said.

#### Search for RLAs begins

"We are currently in the process of putting together a search committee with undergraduates, graduates, housemasters, and staff," Roberts said.

O'Dair said one of the first steps in the search process is to do a competency review, which will identify

RLAs, Page 23

# Vest Signs Letter, Urges Stem Cell Research Funding

By A.S. Wang

President Charles M. Vest joined over 100 university presidents in signing a letter of petition urging the Bush administration to maintain federal funding for stem cell research.

Similar letters have been sent to President George W. Bush within the last month from 95 members of the House of Representatives, as well as from 80 Nobel laureates.

"Before signing the letter ... I consulted with several biologists and research leaders," Vest said. "MIT currently does no human stem cell research., but we do some animal stem cell research, and those faculty foresee great potential benefit to human health."

#### Bush may revoke federal funding

Stem cell research, which first came into the public eye in 1998, is hailed by proponents as a promising area of biomedical research because of its broad range of applications in medical treatments, as well as its potential contributions to biological understanding. However, it is now also facing the scrutiny of government regulations and ethical debate.

In 2000, the Clinton administration pledged strong support for this research by approving a set of guidelines for stem-cell work, and appropriated federal funds for human embryonic stem-cell research for the first time. Opponents to this funding, including Senate Majority Leader Trent Lott (R-Miss.) and Sen. John S. McCain (R-Ariz), have raised arguments against it because embryonic stem cells are obtained by destroying human embryos.

The current policy favoring stem cell research may be reversed if President Bush signs an executive order blocking federal funds from being used for stem cell research. Bush has already expressed his opposition to the use of federal funds to study stem cells derived from

Stem Cell Funding, Page 21



JUSTIN KNIG

Professor Rudolf Jaenisch recently testified before Congress on the subject of human cloning.



Campus music groups join in for CPW Concert.

Page 14



Comics

Page 10

Jason H. Wasfy writes that the new OpenCourseWare initiative will challenge MIT to make classes more vibrant and engaging.

Page 5

World & Nation .	2	
Opinion	4	
<b>Events Calendar</b>	9	
Arts	10	
Sports	28	

# WORLD & NATION

#### Northwest Airlines, Mechanics Union Reach Agreement

THE WASHINGTON POST

WASHINGTON

Northwest Airlines and its mechanics union reached a tentative contract agreement early Monday as a special Presidential Emergency Board was preparing to issue a report that would have basically imposed terms of a settlement on the two sides.

Details of the new agreement were not available pending ratification by the airline's 9,795 mechanics, a process the union said would take approximately three weeks. The mechanics are represented by the Aircraft Mechanics Fraternal Association.

Richard Anderson, Northwest's chief executive officer, said that when he assumed leadership of the airline in February, one of the priorities was to improve relationships with Northwest employees. "We believe this tentative agreement with AMFA positively advances those goals," he said in a statement announcing the settlement.

O.V. Delle-Femine, AMFA national director, said he thought the agreement would be an industry leader for Northwest mechanics, but he said that probably wouldn't last too long as agreements with other mechanics unions are negotiated later this year. "It's like a baton race," Delle-Femine said of the contract's industry leadership status.

#### Administration Proposes Shift In EPA Enforcement to States

THE WASHINGTON POST

WASHINGTON

The Bush administration would begin to shift some responsibility for enforcing federal environmental protection laws from the Environmental Protection Agency to the states under a plan contained in budget documents released Monday.

As a first step, the administration's proposed fiscal 2002 budget would cut \$10 million, resulting in a 9 percent reduction in the EPA's enforcement staff in Washington and regional offices, while providing the states with \$25 million in grants to step up enforcement and \$25 million more for environmental assessments.

The proposal, if approved by Congress, would mark a significant departure from a more aggressive policy of federal enforcement and prosecution of polluters since the creation of the EPA in 1970. The agency was founded during the Nixon administration to address environmental problems that were being ignored by state and local officials or that were beyond the resources of the states to address.

State governments have had a mixed record of enforcement, with some taking an aggressive role and others tolerating flagrant violations of environmental laws by industry, according to environmentalists and federal enforcement experts.

#### Gay Republican to Hold AIDS Post

THE WASHINGTON POST

WASHINGTO

President Bush plans to name a gay Republican as the director of his Office of National AIDS Policy on Monday and will broaden its mission to focus on the disease's spread internationally, an administration official said Sunday.

The director is to be Scott H. Evertz, 38, a fundraising executive with a faith-based senior citizens' program in Milwaukee and formerly a development official for an AIDS ministry. He is the first gay person to lead the office, which was started by President Clinton in 1994 and has had three other directors.

Bush also plans to announce a task force to address the AIDS crisis internationally, particularly in Africa. The group will be cochaired by Secretary of State Colin Powell and Secretary of Health and Human Services Tommy Thompson. It will include national security adviser Condoleezza Rice and Bush's domestic policy adviser, Margaret La Montagne.

# U.S. Resolve Stiffens as Plane Dispute Enters Second Week

By Tom Bowman, Jay Hancock and Frank Langfitt

HE BALTIMORE SUN

New information from U.S. crew members about the collision of a Chinese jet fighter and a Navy spy

a Chinese jet fighter and a Navy spy plane shows the Americans were not at fault, U.S. officials said Monday, stiffening Washington's resolve in rebuffing Beijing's demands for an apology.

Interviews with the detained 24 crew members held on Hainan Island reveal that Chinese pilot Wang Wei passed three times below the lumbering EP-3E reconnaissance craft — once within two or three feet — before striking the U.S. plane's left wing with the fighter's tail and plunging into the sea, said Pentagon officials who spoke on condition of anonymity.

"That time he misjudged his flight path," one official said.

The force of the collision pushed the fighter in front of the EP-3, shearing off the U.S. plane's nose. The Chinese jet "broke in two pieces," and the resulting damage to the EP-3's propellers and nose cone caused it to drop 5,000 feet in an "uncontrolled" loss of altitude, the official said.

The crew members' accounts belie Beijing's contention that the American plane caused the accident by veering suddenly into the Chinese fighter, U.S. officials said. Beijing has said Wang's flight partner, in a second fighter jet, saw a shift in the U.S. plane's course and the subsequent crash.

The Americans "were flying a straight and level course," said one Pentagon official. "The swerving took place after he was hit," as the U.S. plane banked left and downward when its pilot lost control.

A spokesman for the Chinese Embassy in Washington said Monday: "We stand by our eyewitness account of the other Chinese pilot."

China repeated its demand for an apology on Monday, saying it still is not satisfied with Washington's comments.

"Regrettably, the United States' statements are still unacceptable to the Chinese people. We are highly unsatisfied," China's Foreign Ministry spokesman Zhu Bang Zao said at a news conference.

The United States has said for a week that it will not apologize for the April 1 collision. Analysts fear the collision and its aftermath could lead to a rupture in U.S.-China relations. But in recent days U.S. officials had hinted that an investigation of the incident might cause them to soften their stance. Not anymore.

"The United States has nothing to apologize for," White House spokesman Ari Fleischer said Monday, reaffirming the administration position. "The United States has taken a careful look at this matter."

In an interview, Fleischer said, "There is other information that I'm not at liberty to discuss" that has been factored into the U.S. refusal.

He declined to elaborate. But Pentagon officials said the new information came from U.S. crew members who were debriefed in recent days by U.S. Embassy officials outside the presence of Chinese officials.

The somewhat tougher administration stance came as intensive talks to resolve the impasse continued in Beijing and President Bush repeated warnings made over the weekend by his aides that U.S.-China relations are at risk.

"Diplomacy takes time," Bush said before a Cabinet meeting. "But there is a point — the longer it goes — there is a point at which our relations with China could become damaged."

# Political Battle Ends in Mexico

By Chris Kraul

LOS ANGELES TIMES

MEXICO CITY

A tense constitutional standoff between the Mexican government and Yucatan state ended Monday when a federally appointed election council was installed peacefully under orders from the Supreme Court, signaling a victory for the rule of law in Mexico.

The resolution of the dispute was a blow to the Institutional Revolutionary Party, or PRI, and Gov. Victor Cervera Pacheco, who had defied a previous federal order to recognize the panel and had vowed to protect Yucatan's "sovereignty" from federal intervention.

The council will oversee the state's May 27 gubernatorial election, in which the candidate of the long-entrenched PRI is facing serious opposition from candidate Patricio Patron, a federal senator who is

backed by a coalition of parties, including the National Action Party, or PAN. The PRI has held the Yucatan governorship since 1929.

While insisting that the Yucatan legislature had acted within its rights in refusing to recognize the new election council, PRI President Dulce Maria Sauri said Sunday that the party will abide by the decision. The seven-member supervisory council took office peacefully Monday afternoon.

"Let there be no confusion—the PRI respects the Supreme Court's resolution," Sauri said. Manuel Bartlett, a PRI hard-liner, agreed but warned that the "unfair and suspicious" court decision indicates that the PAN may try to impose what the PRI was long accused of: "a hegemony supported by all the judicial instruments."

Most observers said the judicial resolution represents an encourag-

ing departure from past Mexican history where the all-powerful president typically subverted the legal process by stepping in to arbitrate such conflicts.

"This sets a wonderful precedent that Mexicans are learning to use the structures and processes they've created," said Roderic Ai Camp, professor of government at Claremont McKenna College in Claremont, Calif.

The standoff has been brewing since a federal election tribunal ruled that Yucatan's PRI-controlled legislature last August had illegally reappointed the old election council. The tribunal questioned the council's impartiality and ordered a new one be selected.

After a months-long impasse and hostile posturing by Cervera, the election tribunal appointed a new council and ordered that it take office.

# WEATHER

#### East Coast Warm-up

By Robert Korty

STAFF METEOROLOGIST

Much of the eastern half of the nation will continue to enjoy warm weather today. Temperatures topped 90°F (32°C) in cities such as Richmond and Raleigh yesterday, and temperatures in the 80s F (27-32°C) were common throughout the South. Even New England finally experienced some spring air yesterday; temperatures hit 70°F (21°C) in several spots across the interior of Massachusetts and Rhode Island, but coastal locations experienced an afternoon sea breeze which held temperatures in the 50s F (10-15°C) along the shore.

Tempting though it may be to think that spring is here to stay, I merely point out that Boston did once receive measurable snow as late as May 10. For this week, though, temperatures should best 50°F (10°C) each day.

#### **Extended Forecast**

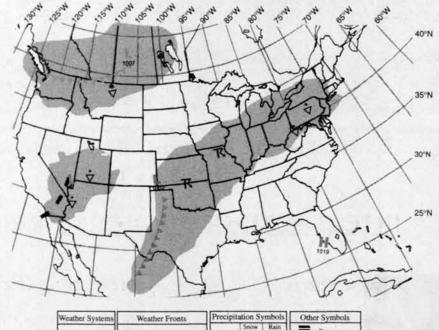
Today: Mostly sunny with a high of 53°F (12°C). Tonight: Mostly clear. Low of 35°F (2°C).

Wednesday: Partly cloudy. High of 50°F (10°C).
Wednesday Night: Chance of light showers, otherwise cloudy.

Low of 39°F (4°C).

Thursday: Cloudy with intermittent drizzle. High of 57°F (14°C).

#### Situation for Noon Eastern Daylight Time, 10xday, April 10, 2001



# Armenia and Azerbaijan Make **Progress During Peace Talks**

By Norman Kempster

WASHINGTON

The presidents of Armenia and Azerbaijan told President Bush on Monday that they have made substantial progress in talks aimed at ending more than 12 years of ethnic conflict over the disputed enclave of Nagorno-Karabakh, a senior U.S. official said.

"We were surprised at how far they came," one official said in reference to negotiations last week in Key West, Fla., between Armenian President Robert Kocharyan and Azerbaijani President Heydar A.

The official said Bush encouraged Kocharyan and Aliyev during separate meetings in the Oval Office to "keep at the process." The rivals agreed to resume their talks in Geneva in June.

Two administration officials briefed reporters at the White House on the condition that they not be identified because of the diplomatic sensitivity of the talks.

The optimistic assessment of the U.S. mediators was echoed by spokesmen for both Armenia and

U.S. officials said Kocharyan and Aliyev agreed to keep confidential the details of their talks, which are aimed at settling a conflict that began over ten years ago in 1988, when both countries were republics of the Soviet Union.

After six years of fighting, the combatants declared a cease fire in 1994. However, the truce is an uneasy one, with several hundred casualties a year from land mines and sniper fire.

Nagorno-Karabakh is an enclave in Azerbaijan with a predominantly Armenian population. In 1988, Armenian separatists declared independence. Backed by the Armenian government, the separatists gained control of the mountainous territory and an adjacent belt of land between it and Armenia proper.

Although the Key West talks marked the 16th time that Kocharyan and Aliyev have met, there was a substantial change in format in last week's negotiations.

# Palestinian Use of Mortar Shells Signals New Escalation of Conflict

By Tracy Wilkinson

Palestinian fighters have added mortars to the arsenal they regularly use against Israel, drawing heavy retaliation and signaling a new phase in half a year of conflict.

In a rare interview, Palestinians who claim responsibility for firing mortar shells into Israel proper, as well as at Jewish settlements in the Gaza Strip, said they already have succeeded in one goal - unnerving the enemy. Next, they said, they will attempt to improve their aim to exact more casualties.

Israeli government spokesman on Monday branded the firing of mortars at the Jewish state an act of hostility that marks a dangerous new level of warfare.

Gaza has seen a fierce escalation in recent days, with Palestinians firing mortars at Israeli targets and Israel retaliating with rockets, antitank missiles and mortars of its

own. There has been minor damage on the Israeli side, while two Palestinian police stations, an office of Palestinian Authority President Yasser Arafat's Fatah movement and a civilian home were destroyed over the weekend.

After months of using rocks, assault rifles, Molotov cocktails and the occasional suicide bomber in their fight to oust Israel from the West Bank and Gaza - and taking the brunt of casualties - Palestinians have increased both the range and the destructive potential of their firepower by using the mortars.

The use of such weapons also stands in sharp contrast to years of Israeli-Palestinian conflict, including the first intifada, which began in 1987 and in which Palestinians' choice of arms was much more limited.

In early February, for the first time, Palestinians began lobbing mortar shells at the Jewish settlement of Netzarim in Gaza. On March 18, the first mortars were fired at Israel proper, hitting an army base near the Nahal Oz kibbutz. The kibbutz was hit April 3.

In all, there have been 56 mortar attacks since early February, according to a tally by the Israeli army. Sporadic at first, they are now occurring with regular intensity.

Another shell crashed Monday into the Atzmona Jewish settlement in Gaza. Palestinians said that on Sunday Israelis launched surface-tosurface missiles, another first in the spiral of violence.

No Israelis have been killed in the shelling, but three were injured, including a 1-year-old. The retaliatory rocketing by Israel, which has come swiftly since the government of Prime Minister Ariel Sharon took office last month, has injured scores of Palestinian police and civilians.

"We consider ourselves to be free to act against Israeli targets, without restraint, whether inside or outside of Gaza," said the leader of a unit that has carried out shelling.

#### **Energy Problems Seen for Summer**

The United States is headed for another summer of energy woes, experts agree, from rolling blackouts in California to the threat of electricity price spikes in New York City and higher gasoline prices

Those problems likely will worsen in the next several years unless the energy industry spends billions of dollars on creating a stronger network of pipelines, refineries and power grids to produce and dis-

But some leading energy analysts are questioning more dramatic assertions by President Bush and Energy Secretary Spencer Abraham: that the country is in the worst energy crisis since the oil shocks of the 1970s, and that it must accelerate domestic oil and gas production to reduce dependency on foreign suppliers.

Most of the country's energy problems are cyclical, energy analysts say - the expected fallout from rock-bottom energy prices in the late 1990s that slowed or halted investments in energy production and distribution networks.

"There's plenty of crude oil around," said Philip K. Verleger Jr., a California-based economist and oil analyst. "What we have is an infrastructure problem: not enough pipelines, transmission lines, generating capacity, refining capacity or ships to move (energy) prod-

Guy Caruso, who directed a global energy assessment for the Center for Strategic and International Studies, said the energy infrastructure problems must be addressed over the long term. "I'm always a bit uncomfortable with the word 'crisis,' " Caruso said. "It tends to conjure up an urgency and immediacy."

#### **Fat Cells Show Promise in Joint** Repair and Parkinson's Disease

LOS ANGELES TIMES

Fat, the great American obsession, might aid treatments for a variety of conditions, from cartilage implants in damaged knees to brain implants for Parkinson's disease and strokes, researchers report Tues-

A team of researchers from the University of California, Los Angeles and the University of Pittsburgh has isolated stem cells primitive cells with the potential to become virtually any type of tisfrom fat collected by liposuction and converted them into bone, cartilage and muscle.

At a time when the Bush administration appears inclined to ban the use of embryonic stem cells from aborted tissues, the new research reported in Tuesday's edition of Tissue Engineering offers an alternative source that could be more plentiful and less controversial.

"This could take the air right out of the debate about embryonic stem cells," said Dr. Mark Hedrick of UCLA, the lead author. The newly identified cells have so many different potential applications, he added, that "it makes it hard to argue that we should use embryon-

"This is extremely significant in terms of its potential," said Dr. Michael T. Longaker of Stanford University. "Unfortunately, fat is a substantial natural resource in the USA. This is a great way to do something with it."

The MIT Graduate Student Council

office: Walker Memorial, 50-220 (above the Muddy)

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CONGRATULATIONS!!

#### **Professional Development Seminar** Spring 2001

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Ken Morse, CEO MIT Entrepreneurship Center Jack Turner, MIT Technology Licensing Office

April 10th, 4.30-6pm, 4-237

# Run4Kids

Wanna help organise a charity event for school kids? Wanna help the community to raise funds for charity?

Contact gsc-ac-chair@mit.edu

# April-calendar

Professional Development Seminar

Housing & Community Affairs committee Meeting\*

Academics, Research & Careers committee Meeting\*

@ 5:30 in 50-220 (above the muddy)

\*All graduate students are welcome. Food is provided

# **OPINION**



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# The Challenges of OpenCourseWare

Last Wednesday MIT announced a \$100 million, ten-yearlong project, called OpenCourseWare, that will make material from nearly 2,000 courses freely available over the Internet.

Editorial

Administrators and Undergraduate Association President Peter A. Shulman '01 have said that Open-

CourseWare in no way means that MIT is giving away its education for free. They argue that an MIT education includes more than just course notes and assignments; an MIT education also encompasses interaction with faculty, multiple research opportunities, dorm and FSILG life, and other aspects of the MIT community.

While this argument may hold water for graduate students, who interact substantially with faculty and have their primary focus as research, *The Tech* does not see this as a convincing argument for undergraduates. Do undergraduates really come here for the enriching student life and opportunities for community interaction?

Within the classroom environment for undergraduates, the majority of science and engineering courses do little to encourage interaction with professors, and students often find themselves learning on their own with their peers. Those professors who are good at teaching and encouraging interaction are often not given tenure. And our advising system, which fails many more students than it helps, leaves students directionless and stranded.

In two years, MIT students can look forward to two significant changes in student life: the requirement that all freshmen be housed on campus and the very probable elimination of secondterm Pass/ No Record. The former change will undoubtedly mark the decline of the FSILG system and leave students no longer able to identify with their living groups. The latter change will force students to bury their heads in books a semester earlier to the detriment of their involvement in extracurricular and other community activities.

An MIT education, aside from the knowledge gained in courses, provides two things: access to research opportunities not available elsewhere, and access to highly motivated students not available elsewhere. These resources alone are not worth \$30,000 a year.

In principle, OpenCourseWare is a noble goal which will help students worldwide and enhance MIT's reputation. But the Institute has more pressing problems at home. If MIT can afford to raise and spend \$100 million for outsiders, why won't it do the same for its students?

If, as OpenCourseWare proves, the education the Institute provides is not in the course material, then MIT needs to provide another compelling reason for students to come here. Until then, the sad truth is that many students will continue to come to MIT not because of its first-rate education but because of the prestige associated with an MIT diploma.

#### Letters To The Editor

#### Thanks, Mr. Horowitz

I had to write to commend your paper on its coverage of the reparations debate on campus this past week. I have to ask, though: why didn't your paper carry the advertisement by David Horowitz? Were you not offered the advertisement or did you simply not print it? It would have been good for this campus to see the advertisement in your paper; then one could really gauge how nonchalant MIT students really are.

I would like to commend one person above everyone else for this reparations debate: none other than Mr. David Horowitz himself. Love him or hate him, he has done a great service to the reparations movement by raising the issue on our campuses. When was the last time any of us heard about reparations before last week? I have to say that it would serve the various columnists of *The Tech* well to read and learn from Horowitz. He did not just get one point and use his command of grammatical structures to expand that one point to state his case; he gave 10 different reasons. It was therefore not too exciting to read opinion after opinion

citing one or two reasons (which were already mentioned by Horowitz) on why reparations should not be considered in the United States.

Last but not least, I pray I am dead and buried before the day any particular group of students will be allowed and encouraged to curtail the freedom of the press forcefully. If one does not agree with an advertisement in a paper, why not put up your own advertisement to disagree? Don't choose for others and forcefully stop them from reading a campus daily.

Bukola Afolayan G

[Ed — The Tech did not receive Horowitz's advertisement.]

#### Summers Unfairly Accused

Basil Enwegbara's column "Toxic Colonialism" (April 6) attacks Harvard University President Summers for his lack of sensitivity to the environment in general, and to Africans in particular. This appears to be based entirely on his infamous 1991 World Bank memo. Taken at face value that memo is a monstrosity, but it's unclear whether Summers really wrote it, and whether its contents were meant to be taken seriously at all. I think it is unfair to launch such a vitriolic attack against Summers without acknowledging that there are legitimate doubts about the intention and identity of the memo's author.

Basil Enwegbara ignores the fact that before the newspaper uproar over Summers' memo even began in February 1992, Summers had clarified on Jan. 12 that his memo was meant as a "sardonic counterpoint, an effort to sharpen the analysis." Indeed, the memo makes a lot of sense if it was written sardonically. In that light, the sentence "I think the economic logic behind dumping a load of toxic waste in the lowest-wage country is impeccable and we should face up to that" just means that economic logic shouldn't be the only thing that determines World Bank policy. Of course, it's possible that the memo's author really believes that industrial countries should send their toxic waste to Africa. But given Summers' denial, we don't know for sure, do we? To ignore Summers' clarification is intellectually dishonest. To hide it from The Tech's readers is fraudulent, and to not know about it is poor journalism.

A later story reports that "Summers has said that he neither wrote nor adequately reviewed the memo." Despite these uncertainties about the memo, Enwegbara uses it as the sole basis to deduce that "one thing is certain; Africans and particularly African students will begin to witness diminished opportunities at Harvard University." I'm sure Enwegbara realizes how hurtful a false accusation of racism must be. While I don't know Summers personally, a Lexis-Nexis search reveals that his record includes work as an adviser in the 1988 Dukakis campaign, and support for girls' education in the Third World. I think it's terrible to denounce someone as a racist on the basis of one flimsy memo. That standard of evidence may have been enough for Senator McCarthy to label someone a communist, but it shouldn't fly here at MIT among the so-called best and brightest.

Till Rosenband '01



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Letters and cartoons must bear the authors' signatures, address-

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# Why Not Hit the Beach?

Jason H. Wasfy

My first reaction to MIT's OpenCourseWare project was one of pride. While some of our peer universities are trying to sell academic material for profit, MIT would post problem sets, handouts, and tests on the Internet for all to see, without charge. OpenCourseWare sets a wonderful example for the free exchange of information, and will allow people who would-

n't otherwise dream of access to MIT course material (in particular, people in the developing world) to sample cutting-edge advances in science and engineering education. This project will reinforce MIT's reputation as the finest science and engineering university in the world and renew MIT's commitment to the greater social good.

But some students have been talking about another aspect of the OpenCourseWare project that I hadn't initially realized. OpenCourseWare might be a disincentive to enroll as a regu-

lar student at MIT. Why should we pay \$30,000 per year, some students reason, for information that MIT wants to give away for free?

Fact is, too often MIT classes consist of little more than those handouts, problem sets, and tests, without the discussion and dialogue that should play a role in college coursework. To be sure, many classes at the Institute are thoughtful

and well-planned lectures that incorporate meaningful dialogue between students and faculty. But some — particularly the big core science classes and intro-level departmental classes in which perhaps half the students don't even bother to show up for lecture — just don't seem worth our hefty tuition bill when the course material is going to be free on the Web.

Actually, a student who doesn't think MIT lectures are worth pulling himself out of bed in the morning might just reason that he should take a term off, hang

out at the beach all term with a laptop, and follow the courses that he would have taken had he stayed at MIT. With a solid command of the material, he could return the next term to take placement exams to secure credit for those courses. That would mean satisfactory progress towards a degree, just as much knowledge from the courses, and a term free from tuition. So again, why pay tuition to take classes here?

But in the long run, OpenCourseWare is not nearly as bad as it may seem for MIT's

A student who doesn't think MIT lectures are worth waking up for might reason that he should hang out at the beach all term with a laptop, and follow the courses that he would have taken had he stayed at MIT. The Institute needs to ensure

to motivate students to show up.
undergraduates. OpenCourseWare will force

that all classes are engaging enough

the faculty to reenergize the undergraduate curriculum, creating courses that are more thoughtful and more interactive. Over the next ten years, MIT is obligated to prove to us that classes here are worth \$30,000 more per year than handouts and problem sets alone. Bob Brown, MIT's provost, hinted at that obliga-

tion when he told *The New York Times* that OpenCourseWare "pushes the faculty in the direction of 'How do I best use the contact hours so that people learn?'"

And as students, we need to hold the faculty to that obligation. If we do, courses here could become more engaging and more vibrant. If we don't, MIT will just start giving away for free what we pay so much money to access. The ball is now in our court.

The argument that students here pay for

other aspects of the MIT experi-UROPs, learning and living with so many bright young people, the respect that an MIT degree brings mostly true, but somewhat misleading. Enshrined in the 1998 Task Force Report on Student Life and Learning is the principle that classes make up one of the three equal pillars of an MIT undergraduate education, the others being community life and research. If classes indeed make up one of those three pillars, then at a minimum, the Institute needs to ensure that all classes

are engaging enough to motivate students to show up. Students will show up only if the actual face time in class gives them something that the mere course materials — those that will make up the OpenCourseWare project — simply can't.

In the MIT News Office release on Open-CourseWare, President Vest says that "Real

education requires interaction, the interaction that is part of American teaching. We think that OpenCourse-Ware will make it possible for faculty here and elsewhere to concentrate even more on the actual process of teaching, on the interactions between faculty and students that are the real core of learning."

Sounds good to me. I just hope that in 2011, after MIT has phased in Open-CourseWare, students here won't have missed a great opportunity to push for the quality of classes that they deserve.



# Don't Mess With El Paso

Guest Column T.K. Focht

I'd like to know where Michael Borucke is from. Then perhaps I could tear into his home as irrationally, illogically, and ignorantly as he did mine.

El Paso has problems. El Paso probably has more problems facing it than do most cities its size — serious issues such as incredibly high unemployment and lack of decent housing for its people. However, running around pointing out all the negatives is only a way to anger people. Providing incomplete or false explanations for those negatives will only make them angrier.

Borucke points out the use of racial profiling in a police search of his bus and on the international bridges. Quite frankly, it's either that or search everyone. Keeping illegal immigrants out of the United States is not a matter of racism, it's a matter of protection. Illegal immigration only contributes to the problems facing the border because it is accompanied by unemployment, poor health, poverty, and homelessness. And if there's anyone I would rather not have breaking laws and carrying unlicensed weapons, it would be people who have nothing to lose because they've already broken the law by coming here.

Borucke goes on to point out that El Paso is dependent on heavy industry and seems to lack commerce. I'm not sure how the lack of large buildings in downtown El Paso shows a lack of capital - this arrangement is not uncommon in the West. We have space, so we spread ourselves out. (I have problems understanding why people here live stacked on top of each other, but it's the way the city is built.) El Paso prospered for two reasons: its location as a pass in the Rockies and its mineral resources. However, because the desert climate prevents other large population centers from growing nearby due to lack of food and water (the city's supply will run out in 2020), only the natural resources have dominated the city's growth. It was only once the industry was in place and the population was growing, that El Paso began to

have any sort of commercial environment of the type Borucke was looking for.

It is true that we are losing even that industry to Mexico, predominantly through NAFTA. However, there has never been a reason why the city could not benefit from NAFTA. Federal and state funding goes into El Paso for transportation and for improving quality of life. The resources are there. My mother worked for several years in a computer center with two purposes: teaching paying customers about computers and teaching people the government paid for about computers and the English language. The jobs are there for people with skills—even just the basic skill of speaking English (or both English and Spanish, which is even

I'd like to point out that there is one redeeming quality of the article. Michael Borucke points out that things will only improve with El Pasoans and Juarenses acting together in their own interest. Oddly enough, we have long been aware of that.

better, putting many of these people ahead of me in the job pool since I only speak English). It does take some effort, though, and some people aren't willing to commit to that. Instead, in the years since NAFTA, I have watched people protest it on the international bridges because they lost their jobs. In the meantime, there are other people who have quit bitching, gone to classes, gained skills needed in an American market, and gotten jobs. Often their new jobs are higher paying, less intensive, and less hazardous. If there is any contrast between wealth and poverty due to NAFTA, it's there.

As a side note to that, I'd like to note that

I appreciate Alison Wong's representation of El Paso. It's nice to know that when I go home, I will see a crude, dilapidated town filled only with beggars and criminals. I'll take some pictures and send them to *The Tech*. Then we won't have to rely on the drawings any more.

As far as the United States stealing Texas and California from Mexico, Mexico stealing Texas from Native Americans who were predominantly Apache and Comanche, and the Apache and Comanche stealing it from still earlier tribes, I personally am very glad it happened. If history hadn't gone that way, I would not be here. My mother's family would be somewhere around Barcelona. My father's would be in western Poland or eastern Germany, if they even existed. Like it or not, history happens and we are the result of it. If bad things are a part of it, that isn't a reason to shut one's eyes and complain that things aren't fair. We can only try to make things as right as possible in the current situation and move on.

Overall, I'd like to point out that there is one redeeming quality of Borucke's article. He points out at the end that things will only improve with El Pasoans and Juarenses acting together in their own interest (where ideas given to us by people thousands of miles away cannot) and that we seem aware that there are numerous outside forces acting on us. Oddly enough, we have long been aware of that. Outsiders don't see the entire picture and haven't learned many of the reasons we do things the way we do. And yet Borucke doesn't see himself as one of those outsiders. Perhaps that's just another of the juxtapositions he points out in his Spring Break article - this one between perception and reality. Borucke's perception seems to be that people will appreciate his warnings and take them to heart, thankful that he has pointed out so many things we haven't seen before. The reality is that people are already aware of the problems and that we realize that the solutions are there - but that they won't come from people visiting the area for two or three days.

T.K. Focht is a member of the class of

# Vinegar For IFC Inspections

Guest Column Dan Chak

I had taken myself off the ifc-talk mailing list weeks ago, and I'm no longer the treasurer at my fraternity, so I hadn't had the opportunity to be bothered by the IFC at all lately. Until one recent afternoon, that is.

I was sitting peacefully in my room when someone supposedly from the IFC walked in. "I'm here to do a spot-check," he said. He was accompanied by my rush chair, so I didn't call the Campus Police to report an intruder, or knock him out with the shovel I keep under my desk for such situations. From my experience with the IFC, if I had told the spot-checker to leave and remove himself from my room, I would have been suspected of doing something wrong, and then as things go, my entire fraternity would have been penalized for some suspected fault of mine.

So I watched as my unwelcome guest looked through my things, checked under my objects for other objects, and pretty much made a pain out of himself. He then opened my refrigerator (I thought I should be polite and offer him something to eat, but as he had

If I had told the spot-checker to leave and remove himself from my room, I would have been suspected of doing something wrong.

already opened the refrigerator without my permission I figured he'd help himself if he was hungry). As it turns out, I hadn't been to the supermarket in a while, and all I had were some juices which didn't interest the spot-checker much. However, I did have a bottle of balsamic vinegar which he seemed to take interest in. He turned it around to check the label. "It's just vinegar," he told me. I already knew that, it being my fridge and all.

Then he apologized to me. He seemed rather embarrassed all of a sudden, like someone might be if they were rummaging through all your things while you were out of the room and then you suddenly walked in.

I had an opportunity to think about this for a few hours, and what I'd write regarding the incident. I thought about how I'm 20 years old, how I have proven myself (like the rest of my peers here) to be a smart, responsible, safe person many times in my life, and how that is part of the reason we're at MIT in the first place. I thought about how I had spent my morning at the Activities Midway telling pre-frosh about the High School Studies Program and how my friends and I all give up our Saturdays to teach high school kids, telling the pre-frosh how fun and rewarding that is for us, telling them to "Come to MIT!," telling them how great MIT is, and telling them to join ESP and teach kids next year. And I thought about how when I was through with the Midway and the Open House we had for the pre-frosh, I came home to be 'spot-checked" like an ex-convict on parole.

Then I decided I'd write to ifc-talk and complain about the IFC/MIT/fraternity relationship, which is much ridiculed, what with it being a laughable way for MIT to make its dictatorship and fear-mongering seem like self-imposed regulation at the fraternity level. What is with the IFC officers handing down sentences to the IFC "community" saying "It'll hurt less if it comes from us than from MIT?" Laughable. So why waste my time?

A Cambridge law, stating that you can refuse entry into your house to anyone you desire not to be there, was passed to the mailing lists earlier this year. Well, of course, you can't really do that if it's the IFC. You might lose your rush, or get a negative rush-point-token-symbol. You have to always feel like an ex-convict having a parole "spot-checkup." If that's the way it's going to be, if we 20-year-olds need Mommy MIT and Daddy IFC to check up on us and make sure our balsamic vinegar isn't so old that it might be alcoholic, then so be it.

Next time someone comes to spot-check me, though, whether my Rush Chair is with him or not, he can expect a nice smack upside the head with the shovel I keep under my desk for just such occasions.

Dan Chak is a member of the Class of 2002.

# How Free Is Trade?

Guest Column Payal Parekh

The governments of 34 nations in the Americas are currently negotiating the Free Trade Area of the Americas (FTAA) agreement. The purpose of the agreement is to liberalize trade, services, and investments between the nations.

Since 1994, the nations have been negotiating the agreement in a secretive, undemocratic manner. While businesses have been involved from the beginning, civil society has not had an avenue for participation. The next summit is scheduled in Quebec City from April 20–22 to discuss a draft text. The governments hope to finish negotiations between 2003 and 2005.

It is expected that the FTAA will be an expansion of the North American Free Trade Agreement (NAFTA), an agreement between Canada, United States, and Mexico enacted in 1994. While corporations have benefited from these free trade agreements, many other sectors of society, including peasants, laborers, and women, have not. For example, industrial wages have decreased by 10 percent in Mexico. In the United States, between 200,000 and 1 million jobs have been lost. The 1997 "Latino Review of NAFTA" found that Latinos, African Americans and women are overrepresented in jobs lost due to NAFTA. In addition, NAFTA gave corporations the right to sue governments. Under this provision, a U.S. firm, Metalclad, sued the Mexican state of San Luis Potosi because the governor of the state ruled that a hazardous waste dump could not be constructed on land to which Metalclad had bought the rights. A NAFTA tribunal, which consists of three trade experts who meet privately, decided that San Luis Potosi would have to pay Metalclad \$16.7 million in compensation fees. If a corporation's ability to do business is lost, the losing country must pay compensation or change the law. Therefore, national laws that exist to protect the public are in jeopardy.

It is expected that the FTAA will look to expand World Trade Organization (WTO) rules to privatize services such as health care and education, as well as further liberalize trade and investments, similar to the demands of Structural Adjustment Programs administered by the International Monetary Fund (IMF). For example, at the IMF's urging, the city of Cochabamba, Bolivia privatized the city's water system. This resulted in a rise in water prices between 40 and 400 percent. Due to protests and outcry from the public, the Cochabamba government was forced to rescind the contract.

It is also expected that countries will not be able to give preference to domestic providers, and once access is granted to investors/corporations from any one FTAA country, the same access must be granted to investors/corporations from all FTAA countries. U.S. intellectual property rights (patents) must also be recognized in all FTAA countries. This would most likely mean an end to Brazil's successful program of government laboratories making generic versions of expensive drugs for AIDS patients.

The FTAA will also curtail a town, city or state's ability to pass resolutions to restrict the purchase of environmentally unsound products. For example, if a town decides that it will not purchase genetically engineered foods, this action could be considered illegal under the FTAA. It can be considered a non-tariff trade barrier, as the town is discriminating against a product based on how it was produced. Thus, the FTAA further limits the functioning of democracy and makes it difficult to pass laws that protect the public and the environment.

In reality, the FTAA is another way in which the wealthy nations of the west can colonialize Latin America. In fact, workers in Latin America feel the same way. A coalition of trade unions of Mercosur countries called upon their governments to submit the FTAA to national plebiscites, which they believe would result in its defeat. Whether one is from the first world or from the third world, agreements such as the FTAA subject all of us to corporate rule.

But there is hope. Since this agreement hurts nearly every sector of society, it offers the possibility to come together in solidarity to fight the FTAA and create a world that globalizes human need, not corporate greed. Opposition is growing throughout the Americas. Thirty thousand people are expected to be protesting the Summit in Quebec City later this month. Many more thousands are expected to be protesting the irony of free movement of goods and services but not people by protesting at the U.S./Mexico and U.S./Canada border. There will also be local solidarity actions throughout the Americas, including here in Boston. Join the movement to reclaim our lives from globalization!

Payal Parekh is a graduate student in the MIT/WHOI Joint Program in Oceanography.

# Breaking Windows

Dan Tortorice

Ever wonder what happened with the Microsoft trial? A year ago, Judge Penfield Jackson handed down a landmark ruling, ordering the company split in two. Though the ruling was extreme, it was not surprising. Jackson had made clear his contempt for the Microsoft Corporation, and even before the trial was over Microsoft had resigned itself to winning on appeal. The U.S. Court Of Appeals, after quickly staying Jackson's order, finally heard oral arguments on February 26 and 27 of this year, and now we await a decision expected at the end of April or in early May.

What is the court likely to decide? The jurists seemed unconvinced that Microsoft had attempted to monopolize the browser market, even going so far as to question the existence of an independent browser market to monopolize. The judges blasted Jackson for his behavior during the original trial, though stopping short of accusing him of bias. Considering these signs, there is little chance the court will uphold Jackson's ruling. While some say there's a 50 percent chance that the case will be thrown out entirely, the more likely story is that it will be tossed back to a lower court, and a different judge. The end result will most likely be an intact Microsoft, but one with severe restrictions on its activities.

It is a good thing that the court will likely reject Jackson's ruling, for the ruling is woefully misguided and does little to improve the well-being of consumers who purchase Microsoft software. The essence of Jackson's government plan is twofold.

It would break the company up into an applications and an operating system company, Internet Explorer being licensed only to the applications company. Second, it would restrict the actions of Microsoft so it cannot prevent competitors from gaining market share. For example, Microsoft will no longer be able to threaten PC makers with the loss of their license to distribute Windows if they put other companies' software on their PCs.

While this plan may raise the level of competitiveness within the software industry, only bureaucrats wearing blinders could think that it would make the operating system market competitive. Microsoft does not continue to possess its monopoly power because it intimidates PC makers. It maintains its monopoly power because of the necessity of software compatibility. Even if someone develops a better operating system than Windows, people won't want to purchase it until people write programs to run on it, and people won't want to write programs to run on it until people begin to purchase it. It is this trap, and not Microsoft's piranha-like business practices, that maintains its monopoly.

So the government's restrictions on Microsoft's business practices will do little to end the monopoly in the operating system market. Maybe, by restricting Microsoft's anti-competitive behavior, the plan will allow another company's revolutionary operating system to be placed on PCs, and maybe people will decide that they would rather have

this new operating system than Windows. So it is possible that Windows will not be the dominant operating system forever. However, because of the need for software compatibility, society will only adopt this operating system if most computers use it. But at that point society trades one monopoly for another. So instead of Bill Gates screwing consumers, we have someone else screwing us. The unfortunate fact is that this is the best outcome the government's plan can offer us.

What is missing from the government plan? It's an acceptance that the operating system market will always be monopolized by a standard software. This lack of acceptance is puzzling, because we should welcome it with open arms. What an inefficient society we would live in if programmers had to write for a multitude of different operating systems. The government should recognize this fact, and do what it has always done with natural monopolies: regulate the prices they charge

Microsoft, like all monopolies, has gotten rich by charging exorbitant prices for its software, knowing that consumers have nowhere else to turn. It's time for the United States government, the people we elect to serve our interests, to stop Microsoft's gouging of the American consumer. When the controls of the market fail to check the power of business, it is the obligation of the government to provide that check. While price regulation requires much analysis to be done correctly, given the massive potential benefit to consumers, it is worth the effort.

# Selection Without Bias

#### Akshay Patil

As Campus Preview Weekend passes, we find ourselves flashing back to those carefree days of our senior year when all we did was sit by our mailboxes and wait for all those so-

In college admissions, the

selectors should look at how

well the person dealt with the

challenges presented to them

and take that into consideration

when making their decision.

Most colleges do this already.

important letters that would decide the future of our education. I find it hard not to think about a sleeper issue that comes to mind whenever I think about admissions. It's not something most people would consider a 'major" issue, yet some of the most impassioned arguments I have ever seen have surrounded it. Although it is

rarely in the forefront of our minds, affirmative action is one of the hot-button issues of our society.

I prefer not to hold prejudices against people, and I hope that no admissions office in the country (or in the world) holds against an individual the circumstances into which he was born. It is for that reason that I oppose institutions adopting the policy of affirmative action in any selection criteria. Please, all those who get confused by how I can put those two sentences together in the same paragraph, read on.

I should define affirmative action, since there tend to be many different meanings for the term. Affirmative action is going into a decision-making process with an inherent positive

(or negative, but one rarely sees that) bias towards for a particular gender, race, social group, etc.

I've had a girl politely dragged to her chair
after spending two minutes telling me that I'm
a traitor and a racist.
Well, "telling" is such a
harsh word, so let's say
"screaming" instead.
I've seen people on the
verge of tears arguing
that affirmative action is
the only way for some

people to achieve the American Dream. I've had friends patiently explain to me, as if I had the intelligence of an umbrella, why I'm a retarded spoiled naive fool; despite all of this, I've still got to say setting affirmative action as a selection policy seems wrong to me.

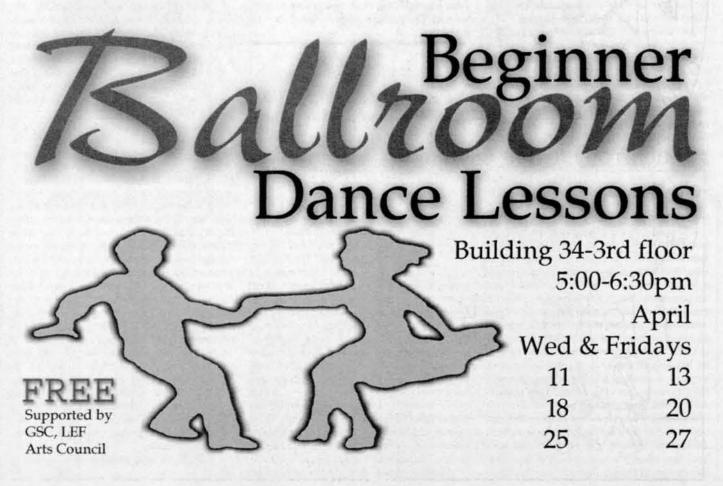
Why? It's reverse discrimination. It strikes me as hypocritical to demand equal treatment by society and then expect to be judged by different standards. These ideas inherently

contradict themselves; by creating different standards, we deny equality. Even if the net result is an equality in outcome, this does not justify an inequality in opportunity.

What about groups that have been put at a disadvantage historically or socioeconomically? I don't know; I honestly don't know. The answer comes easy when confining the argument to college admissions — the selectors should look at how well the person dealt with the challenges presented to them and take that into consideration when making their decision. Most colleges do this to begin with

But what about struggles in the "real world?" I have no answer, only a semi-adequate idea that with work, inequalities should resolve themselves over time — little comfort to those who do not receive from life what they are honestly entitled to.

Regardless of the temporary solutions offered through affirmative action, the greatest long-term ethical solution is to be totally objective in selection. Choose the best for the position; often those chosen will be the best qualified, and sometimes they will not be — there are other factors to consider than obvious qualifications — but blanket policies like affirmative action are not truly conducive to correction of societal problems. We dream of a day when we will be judged by the content of our character and not the color of our skin. Affirmative action contradicts this dream.

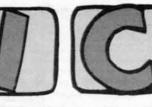


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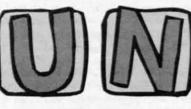






The Tech





Page 7



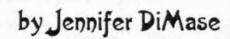








Down with Science











#### **Mat and Solar**













ugh, howen't we already established this centuries ago?! we're allowed 2b ugly, ok? we go to—



Look, u <u>DONT</u> UNDERSTAND! UGH!!! ijust FABLED on exam, ok? i <u>conit</u> be ugly anymore, buddy!



Ohlh that's rilight i forgot.

the Law of Presty = smart.

dude, sux 26 u!!

Thank You for your Interest





by Dave, Kara, and Raj











#### **FoxTrot**





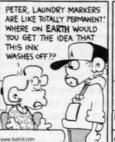




# by Bill Amend

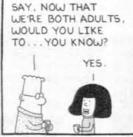














#### Dilbert®







# by Scott Adams







# ith Clip Art

"Lemme tell ya, the only thing around here that's straight is this ruler and these boards."

**ACROSS** 

Distinctive flair 5 Roam stealthily

10 Mineo and Maglie 14 Urgent 15 Wheel spokes

16 Lendl of tennis 17 Newly colonized

region 19 Act dejected

20 Wife/sister of

Osiris

21 Regard with contempt

25 Cold-cut palace 28 Audio-books

employee 29 Org. of Price and

Love 30 Agitate 31 Gallery display 32 Foot structure

34 Subatomic particles 39 Beatles movie 42 Composer

Puccini 43 Of a meeting

45 Verbal

46 Light brown 47 Knight's backup

singers 50 Tryon novel, "

Other" 51 Off the boat

54 Jacob's brother 55 Possesses

56 Winding courses

58 Checkers side

60 Writer Morrison 61 Goes into detail

67 Did some cobblers' work

68 W. alliance 69 Obligation

7 Poem of praise 66 Took a cab 8 Moving air

beforehand 6 Flock leader

10 Like-minded

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71 Circle pieces

DOWN

1 Perot's co.

70 Squalid

3 Prehistoric tools,

2 Falsehood

5 Adjusted

e.g. 4 Seines

9 Well-read crowd

11 Duck and dodge

Junipero 23 Iridescent gems 24 See eye to eye 26 Common shower gift 27 III temper

35 Jamaican citrus

37 D-Day beach

12 Concentration

gap 13 Smile derisively

18 Eye shades?

missionary

22 Spanish

33 Pasts

fruits

36 Polaris

48 Caricature 49 Plaintiff

41 Like invertebrates 44 Bonzo or Clyde

38 Parts of shoes

40 Small crown

51 "The Jetsons"

dog 52 Stirring device

53 Vedas reader

59 Comic Carvey 62 Pub order

63 Oyster farm 64 More indicator, briefly 65 Distress signal

Page 9

# **TechCalendar**

TechCalendar appears in each issue of The Tech and features events for members of the MIT community. The Tech makes no guarantees as to the accuracy of this information, and The Tech shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the TechCalendar web page.

Visit and add events to TechCalendar online at http://tech-calendar.mit.edu

#### Tuesday, April 10

12:00 p.m. - 2:00 p.m. - Money, Fraud, and the 'Americanization' of Science: Oil and Geology in 19th Century California. Dibner Institute Lunchtime Colloquia, free, Room: E56-100, Sponsor: Dibner Institute.

12:00 p.m. - 1:00 p.m. - FileMaker Pro Quick Start. This session introduces database terms, shows how to create a simple database, and covers the six modes of FileMaker Pro. free. Room: N42 Demo Center. Sponsor: Infor-

mation Systems.

12:00 p.m. - 1:00 p.m. - Telephone and Voice Mail Quick Start. If you are new to MIT or want to learn more about the features on your telephone and voice mail, this class is just what you need. Instructors will explain features which will help you get the most out of these useful tools and talk about the most common problems and where to go for help. Attendees will learn what features are available on different phones and classes of service. You will also be able to try features on telephones in the classroom, free. Room: E19-732. Sponsor: Information Systems.

3:30 p.m. - Baseball vs. Babson. free. Baseball field. Sponsor: Department

of Athletics.

4:00 p.m. - 5:00 p.m. - MTL VLSI Seminar Series. Device Scaling and Technology Challenges for High-Performance Sub-20nm Gate Length Transistors for the 45nm Logic Generation Node. free. Room: 34-101. Sponsor: MTL VLSI

4:00 p.m. - 5:00 p.m. - Ocean Sequestration of CO2. free. Room: 1-350. Sponsor: Engineering & Environmental Mechanics Group.

4:00 p.m. - Men's Lacrosse vs. Connecticut College. free. Jack Barry Turf. Sponsor: Department of Athletics.

4:15 p.m. - 5:30 p.m. - Gas Turbine Seminar Series. free. Room: 31-161.

Sponsor: Gas Turbine Laboratory.

4:30 p.m. - 6:00 p.m. - "Improving Art in 18th-Century England: Words for Handel's Music." History/Literature Workshop Series, Spring 2001. free. Room: 14E-304. Sponsor: History Office. Music and Theater Arts, Kelly-Douglas Fund.

6:30 p.m. - 14th Arthur H. Schein Memorial Lecture: "Space and the Architect." Talk by Herman Hertzberger, architect, Amsterdam. free. Room:

10-250. Sponsor: Department of Architecture.

7:00 p.m. - 10:00 p.m. - An Evening with Noam Chomsky. free. Room: 26-

100. Sponsor: The Technology and Culture Forum at MIT.

7:00 p.m. - 9:00 p.m. - Irony and Identity: The Invention of Paper Selves. André Aciman, author of False Papers and Out of Egypt, presents a lecture/reading. André Aciman is one of the most poignant stylists of his generation. His latest book, Identity Papers: Reflections on Exile and Loss, is a witty and rueful series of linked essays on the subject of loss. free. Room: 2-105. Sponsor: Foreign Languages & Literatures. Writing and Humanistic Stud-

7:00 p.m. - The Right's Attack on Affirmative Action. Speakers Jean Hardisty (President) and Nikhil Aziz (Research Associate), both of Political Research Associates, free. Room: 4-237. Sponsor: Women's Studies Program.

#### Wednesday, April 11

11:00 a.m. - 12:00 p.m. - Photonic Crystals for Tunable PBG-Lasers, Transparent Metals, and "Left-handed Matter". EECS/RLE Optics. free.

Room: RLE Conference Room, 36-428. Sponsor: Optics.

11:45 a.m. - 1:30 p.m. - Working Group on Support Staff Issues. Monthly meeting of support and administrative staff interested in the issues of importance to support staff at MIT. free. Room: Bush Room, 10-105. Sponsor: Working Group on Support Staff Issues.

12:00 p.m. - 1:00 p.m. - Excel Quick Start. This course presents an overview of Excel's basic functions, as well as some of its more powerful features and capabilities. free. Room: N42 Demo Center. Sponsor: Information

12:00 p.m. - 1:00 p.m. - "Biomolecular Recognition and Control of Nano Magnetic and Semiconductor Materials." Seminar. free. Room: 56-614. Sponsor: Division of Bioengineering & Environmental Health.

3:00 p.m. - 5:00 p.m. - spouses&partners@mit - First Person Plural (Part II). First Person Plural is a documentary that tells the story of Korean-born Deann Borshay Liem. We will watch the second half of the film and discuss identity and culture. free. Room: W20-400. Sponsor: spouses&partners@mit, MIT Medical.

4:00 p.m. - 5:00 p.m. - Observing electron motion at mesoscopic length scales. free. Room: 36-156 (Refreshments served at 3:45 pm). Sponsor:

Nanostructures Laboratory.

4:00 p.m. - 5:30 p.m. - Searching for What's Central in the Act of Writing. Talk by Peter Elbow, professor emeritus at the University of Massachusetts, Amherst and author of Writing Without Teachers, Writing With Power, Embracing Contraries: Explorations in Learning, Everyone Can Write: Essays Toward a Hopeful Theory of Writing and Teaching Writing, What is English? and other books. free. Room: 14E-304. Sponsor: Program in Writing and Humanistic Studies, MIT Kelly Douglas Fund.

4:00 p.m. - 5:00 p.m. - On the direct numerical simulation of particulate flow. Distinguished Speaker Series in High Performance Computation for Engineered Systems, free. Room: 1-390. Sponsor: Singapore-MIT Alliance/HPCES.

4:15 p.m. - 5:15 p.m. - Totally Positive View of a Computer Microchip. Refreshments will be served at 3:30 p.m. in Room 2-349, free. Room: 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

4:30 p.m. - 6:30 p.m. - Can AIDS Be Stopped: A Partnership for the Future of Botswana. A panel discussion with Dr. Richard Marlink, Director, Harvard AIDS Institute; Dr. Linda Distlerath, President, Merck Company Foundation; Dr. Patson Mazonde, director of Health Services, Ministry of Health, Botswana, free, Room: 34-101, Sponsor: The Technology and Culture Forum at

6:30 p.m. - Lotuses for Osiris and Marigolds for Vishnu: A Photographic Portrait of Cultures from Niger, Nile To Ganges. Sangam Arts Initiative slide show by Susanne Ganisicke, Boston Museum of Fine Arts. She has captured very simple looking objects from everyday life in these countries from an unusual angle. Her images are a powerful manifestation of striking simplicity. free. Room: 6-120. Sponsor: Graduate Student Council, Sangam.

6:30 p.m. - 9:00 p.m. - MIT SCA Chainmail Workshop. Come and learn simple medieval chainmail weaves and patterns to make your very own shirt (hauberk), or hood (coif). Smaller sized links can be used to make jewelry. We will provide the steel, brass, and copper links, pliers, and instruction. Please

bring your own pliers, if you have any. free. Room: Private Dining Room #3, Student Center (W20). Sponsor: Society for Creative Anachronism.

7:30 p.m. - 9:30 p.m. - Renaissance Dancing. There are many forms of Renaissance Dancing that we practice. From Italian balli to courtly pavans to English country. We dance them all with flair and fun. Dress is common street clothing. No experience necessary; instruction is provided. free. Room: 31-

Sponsor: Society for Creative Anachronism. 8:00 p.m. - 10:00 p.m. - International Film Club Film Seminar Series. free. Room: 4-237. Sponsor: Graduate Student Council, International Film Club.

#### Thursday, April 12

12:00 p.m. - 1:30 p.m. - Environmental and Sustainability Brown Bag Seminar. "The Capital of Sustainable Development: Assets, Theory, and the Case of Central Asia", free. Room: E40-496. Sponsor: Center for Environmental Initiatives.

12:00 p.m. - 1:00 p.m. - Element K Hands-On Workshop. Is web-based training for me? Spend an hour in an instructor-led workshop. Learn how to get started using web-based training, explore what is offered and ask questions. free. Room: W89-185. Sponsor: Information Systems.

12:30 p.m. - 2:00 p.m. - World Cultures from a Woman's Perspective: Japan Chado: The Way of Tea. Experience a Japanese Tea Ceremony. Limited seating; call or email for reservations. free. Room: 10-340 (Emma Rogers Room). Sponsor: MIT Women's League.

3:00 p.m. - 4:00 p.m. - Special Seminar. A Mixed Signal Approach to the Implementations of a 1.8 GHz Wireless Transmitter and a 2.5 Gbit/s Clock and Data Recovery Circuit. free. Room: 24-121. Sponsor: EECS.

4:00 p.m. - 5:00 p.m. - The Earth's Electric Field Intensity vs. Continental Scale Temperature: Investigation of Whether the DC-Global Circuit Can Be Used to Monitor Global Temperature Variation. free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.

4:15 p.m. - 5:15 p.m. - Airplane Fleet Assignment and Extensions: A New Model and Solution Approach. ORC Spring Seminar Series. Seminar followed by refreshments in E40-106. free. Room: E56-270. Sponsor: Operations Research Center.

4:15 p.m. - 5:15 p.m. - Hydrogen-Operated Engine Systems. Refreshments at 4:00 p.m. free. Room: 31-161. Sponsor: Sloan Automotive and Reacting

4:15 p.m. - 5:00 p.m. - Physics Colloquium Series. "Unravelling the Mys-

tery of Flavor." free. Room: 10-250. Sponsor: Physics Department.

5:00 p.m. - 7:00 p.m. - MIT Communications Forum: Intellectual Property and the Internet. Speakers: Rosemary Coombe, York University; and Andrew Herman, Drake University. free. Room: Bartos Theater. Sponsor: Communica-

7:00 p.m. - poetry@mit: Bei Dao/Eliot Weinberger. free. Room: 6-120. Sponsor: Program in Writing and Humanistic Studies.

7:15 p.m. - General Body meeting and Election. free. Room: 4-231. Spon-

sor: BUSA.

8:00 p.m. - You're a Good Man, Charlie Brown. Musical Theatre Guild's take on the lives of the Peanuts gang, \$9, \$8 MIT community, \$6 MIT/Wellesley students. Room: Killian Little Theater. Sponsor: Musical Theatre Guild,

8:00 p.m. - 11:00 p.m. - Modern Square Dance. This challenging class teaches you Plus level square dancing set to a wide range of modern music. We begin by teaching you the calls which make up each level of dancing, which you then apply throughout the class. A group of eight dancers works together in this unique form of American dance. Focus is on fast and rigorous learning, reaction time, and flow. No experience or partner necessary. Wear comfortable clothes and shoes. REGULAR ATTENDANCE EXPECTED. First night is free. Room: Lobdell Dining Hall - Student Center. Sponsor: Tech Squares.

8:00 p.m. - 10:00 p.m. - International Film Club Film Seminar Series. free. Room: 4-237. Sponsor: Graduate Student Council, International Film

9:00 p.m. - 10:00 p.m. - Ashdown House Coffee Hour. free. Room: Ashdown House Hulsizer Room. Sponsor: Residential Life and Student Life Programs.

#### Friday, April 13

12:00 p.m. - 1:00 p.m. - Al-Anon Open Discussion: Al-Anon Meeting. free.

Room: E25-101. Sponsor: MIT Medical.

12:00 p.m. - 1:00 p.m. - Windows NT Quick Start. Master the five basic parts of Windows NT - the desktop, icons, mouse pointer, Start button, and Taskbar. Learn how to launch or exit from applications, find files or folders, and access online help. free. Room: N42 Demo Center. Sponsor: Information Systems.

3:00 p.m. - 4:00 p.m. - Department of Chemical Engineering Seminars. Toward a Theory of Process Synthesis: A Beginner's View. free. Room: Room

66-110. Sponsor: Chemical Engineering. 4:15 p.m. - 5:15 p.m. - Inevitable Intersections. Refreshments will be served at 3:30 p.m. in Room 2-349. free. Room: 2-338. Sponsor: Combina-

torics Seminar. Department of Mathematics. 5:00 p.m. - Advanced Music Performance Concert. Aeronautics and Astronautics junior Nate Fitzgerald, drum set. With Jeff Lieberman, piano; Zack Howard, bass; Ben Findburg, trombone. Works by Lafaro, Davis, Coltrane,

Coleman, Bergmann, Henderson. . free. Room: Killian Hall. Sponsor: Music and Theater Arts Section. 6:00 p.m. - 10:00 p.m. - DanceCraze. Come to a dance-a-thon featuring

great prizes (including a flat screen TV), food and fun! All proceeds from this event will go towards the Big Sister Association of Greater Boston. Please contact for a pledge form, or for more information, donation suggested. Room: Lobdell. Sponsor: Panhellenic Association, MIT.

6:30 p.m. - Advanced Music Performance Concert. Electrical engineering and computer science junior Amanda Wang, violin. Student of Lynn Chang, Tilman Bauer, piano. Bach's Partita No. 2 for Unaccompanied Violin in D minor, BWV 1004 (c. 1720); Schumann's Sonata No. 1 for Violin and Piano in A minor, Op. 105 (1851); Yi's Fisherman's Song (1999); Wieniawski's Polonaise Brillante No. 1 in D major, Op. 4 (c.1852). free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

8:00 p.m. - You're a Good Man, Charlie Brown. Musical Theatre Guild's take on the lives of the Peanuts gang. \$9, \$8 MIT community, \$6 MIT/Wellesley students. Room: Killian Little Theater. Sponsor: Musical Theatre Guild,

# THE ARTS

**MOVIE REVIEW\*\*\*** 

# Blow

The Newest, Greatest Drug Flick

By J. F. Graham

Directed by Ted Demme Written by David McKenna & Nick Cas-

Starring Johnny Depp, Penelope Cruz, Paul Reubens, and Ray Liota

f Scarface, Traffic, and Goodfellas sit at the top of the drug film genre, then they are going to have to make room for Blow at the top as well. Blow tells the rise and fall story of Massachusetts native George Jung (played by Johnny Depp), an ambitious and opportunistic character who capitalized on the cocaine craze of the seventies and early eighties.

By using Martin Scorsese's gangster saga (Goodfellas) as an obvious model for the film's storytelling, director Ted Demme, along with screenwriters David McKenna and Nick Cassavettes, bring to the screen a bio-pic with a somewhat more likeable, and at times funny, group of characters. Neither of these is an easy feat when the illegal drug trade is the subject.

Blow spares us the over-the-top violence seen in Goodfellas (which is still one of the most violent films ever made) and Scarface (just as violent) while never getting itself caught up in the large scale interwoven complexities of the bigger picture that Traffic did so well. What Director Ted Demme does do is keep the story line focused on Depp's character while still giving us the up-close intensity of a business that only the power driven elite are capable of controlling.

Although Jung is never seen as ruthless as Tony Montana (the drug lord that Al Pacino created for Director Brian DePalma in Scarface) Depp does quietly portray Jung as a man just as obsessed with the job at hand, and is, in fact, "all about the money."

Demme's film does come across as being somewhat biased. He seems desperately trying to portray Jung as a sympathetic character and sensitive family man who somehow just finds himself caught up in all the madness with no way out. One may find it difficult to truly empathize with Jung. After all, he is a drug dealer, and as the character of Jung puts it,"this is my choice."

But it is Depp who handles this task and pulls it off brilliantly in the process, right to the film's heartfelt final scene. Depp has never been better. In the past, he often played quirky cartoon-like character roles such as Edward Scissorhands, Ichabod Crane in Sleepy Hollow, and director Ed Wood. Unfortunately these films, along with

a few others, managed to place Depp in the under-rated actors category

Recently, however, with strong serious performances in Donnie Brasco, Chocolat, Before Night Falls and now Blow, Depp has finally established himself as one of the best actors of his generation.

Ray Liotta, whose most memorable role is still Henry Hill in Goodfellas, plays the part of Depp's hard-working blue-collar father. Depp and Liotta relate well together on screen and communicate through their characters' bond: a father and son relationship that actually becomes much of the film's heart and charm. The compassion that Liotta brings to the screen as Jung's loving father is well delivered throughout the film.

Paul Reubens, whose Pee Wee Herman image is virtually gone, also turns in a surprise performance as a flamboyant California hairdresser and Jung's west coast part-



ner. Penelope Cruz's performance is a bit short, yet she does manage to create some memorable scenes. Also look for Bobcat Goldthwait in a quick and funny cameo. But in the end it is Depp and Liotta that keep Blow moving.

Although the movie spans more than a 20-year period, it never lets us see the impact that cocaine actually had on the seventies "glam rock" crowd, the decadent subculture of the disco era, or the yuppie generation where everything was done to excess. However, we do get the messages through its central character, clever dialogue, a wellplaced musical soundtrack, and a showcase of clothing and hairstyles that constantly lets us know what year(s) we are watching.

The fast-paced music video style of filmmaking that is sadly becoming all too common with a new generation of filmmakers these days is ever present in Blow. The cam-

Noise Conspiracy.

era is no longer just a steady observer; instead it has actually become an extra, taking on a character of its own, constantly jumping from place to place, moving in and out of focus, changing film stocks, and using grainy blurred distortion filters in the hopes that it will keep the attention of the modern day, short attention span movie audience.

Many of the new film directors can actually trace their roots back to directing music videos (David Fincher who directed Fight Club and Seven as well as director P.T. Anderson who shot Boogie Nights and Magnolia) and Blow's Director just so happens to be one of them as well. Although Demme's talents are not yet as polished as his Academy Award-winning cousin Jonathan Demme (Silence of the Lambs and Philadelphia), Ted Demme's film Blow is a very good one, and does not need to rely on these techniques

#### **MUSIC REVIEW**

# State of the Airwaves

#### Nullset, Nada Surf, and New Found Glory

By Dan Katz

know the majority of you have been keeping track and won't have to be told this, but this week marks the grand second anniversary of the debut of State of the Airwaves. Yes, for two years, the gray box of musical justice has graced the pages of The Tech. Here's some collectors' trivia: a complete set of State of the Airwaves is worth \$3,500 in auction, the most prized column is the notorious misprint "Sundgarden" issue, and I have praised Self and the Marvelous 3 a total of 73 times. For those of you who keep coming back, I thank you, and for

those of you venturing within for the first time, welcome

No Tuesday Tech next week, which means I've got two weeks of concerts and albums releases to hype for you. Tonight, if you like your rock bizarre and heavy, Wes Borland's Big Dumb Face is at Axis; if you prefer it lighter and more melodic, Semisonic are at the Paradise Rock Club. Tomorrow night, Australian punksters The Living End make an appearance at the Paradise. Friday, Nada Surf, who are regrettably better known for their novelty hit "Popular" than their excellent follow-up album, The Proximity Effect, stop at the Middle East, while Papa

influences Sonic Youth check in at the Roxy, and the only member of Dire Straits with a dinosaur named after him, Mark Knopfler, has a gig at the Orpheum. Shipments arriving in CD stores today will include a two-CD Ani DiFranco set called Revelling/Reckoning, Mojave 3's Out of Tune, and Les Claypool's Frog Brigade's Live Frogs - Set I. Spacehog return with The Hogyssey, and Glen Phillips, formerly of Toad The Wet Sprocket, presents Abulum. Next week has a couple of promising releases; J.E.E.P. by the Welsh band Stereophonics, and Creeper Lagoon's awkwardly titled Take Back The Universe (And Give Me Yesterday).

Roach, Snapcase, and Alien Ant Farm are at the Orpheum. Sunday, I highly recommend the bill at the Middle East,

featuring Rocket From The Crypt and the International

off his artsy side at the House of Blues and Ours play TT The Bear's. The day after, The Orb are at Avalon, and

MTV's Campus Invasion Tour, featuring Saliva, Sum 41, and American Hi-Fi, rolls into Brandeis. Friday the 20th, New Found Glory are in Worcester at the Palladium, and

the Roxy features Linkin Park and Nullset. On Saturday

the 21st, moe do the Palladium and Seventeen take the

stage at Lilli's. Finally, on Monday the 23rd, mega-rock-

Next Wednesday (that's the 18th) Duncan Sheik shows

So what's been on the radio lately? First of all, I completely misunderstand the success of Lifehouse and Powderfinger. For two bands that basically seem to be regurgitating Creed and U2 respectively, their climb up the airplay charts has been fairly disheartening. I'd rather see airplay for more unusual tracks like Big Dumb Face's "Rebel," which has an irresistible beat and chorus, even though it sounds like it was recorded on a toy keyboard by a very small man with a Southern accent. Thankfully, one of the top adds to alternative radio last week was Depeche Mode's new single, "Dream On," a gorgeously mysterious integration of synthesized sound and acoustic guitars.

The song I truly can't get out of my head, however, is Jurassic 5's "The Influence," which I caught on MTV2 while I was home for break. The background samples are wonderfully hummable, and the rhythms of the rapping fits perfectly with the backbeat. I've found myself randomly spitting out the scat chorus at least once every few hours for the last two weeks, and the track still hasn't got-

It would be extremely unprofessional for me to abuse my access to publicity and discuss non music-news-related issues within the confines of the columns; for example, it would be inappropriate to invite you to come see my directorial debut, "You're A Good Man, Charlie Brown," this weekend. So I won't do that and I'll just remind you to send me feedback at <airwayes@the-tech.mit.edu>. Thanks for a great two years, and keep expanding your



moe members Chuck Garvey, Rob Derhak, Al Schnier, and Vinnie Amico play the Palladium on Saturday, April 21.



WAN YUSOF WAN MORSHIDI—THE TECH

The all-female members of Oori present Oh-Book-Choom, a Korean five-drum-dance, to open Sunday's Grains of Rice.

#### **CONCERT REVIEW**

# Grains of Rice

#### A Celebration of Asian Culture

By Devdoot Majumdar

n its third year running, "Grains of Rice: A Celebration of Asian Culture" brought to MIT precious glimpses of various cultures that seldom find themselves presented back-to-back. The explosion of creativity behind the name "Grains of Rice" only betrays the great accomplishment made by the organizers of the event, comprised of members from 13 of MIT's Asian clubs.

Sponsored by a whole gamut of organizations ranging from the Undergraduate Association to the Department of Architecture, and made up of virtually all Asian cultural groups on campus, Grains of Rice entertained a packed Walker Memorial late into Sunday night.

For an \$8 seat, the MIT community (Asians and non-Asians alike) was treated to a dozen different entrees (mainly Chinese) and 11 cultural acts. As the goal of the evening was to edify and enlighten the audience, this writer found himself very much awakened and appreciative of the Grains of Rice presentation as a whole, not so much for its technical and artistic precision, but for its greater purpose.

The evening opened with robust excitement, as members of Oori burst on stage with *Oh-Buk-Choom*, a Korean five-drumdance. Laden with dramatic pauses and keenly choreographed motions to match the tribal rhythms, Oori fit the drama and heightened anticipation reminiscent of a Roman coliseum.

Repeating the hypnotic rhythm over and over, this eightwoman troupe demonstrated incredible synchronization — the hybrid of an Asian marching band with free-form martial arts and interpretational dancing. Ending with an artful reverberation of the gong, the members of Oori left the audience with the same pure excitement that they embarked with.

Next came the only Indian performance of the evening, a



Radha Kalluri G of the MIT Bharatha Natyam Club presents this traditional Indian dance form at Grains of Rice.

Bharata Natyam dance performance. Traditionally known as a devotional and religious art form, three members of the Bharata Natyam club performed a religious piece, *Madhuban*.

Here, as in many other points throughout the evening, the "art" stems from the beauty of the performance more than the motion and activity of the performance, as this writer was accustomed to. Adorned in elegant silk costumes and anklets with bells, the three dancers were accompanied by the powerful and carefully worked voice of Sheetal Karhade '01. The dancing, when slow, was a mix of evocative religious gestures, and when fast, a true unity between the frenetic tabla and the bells on the dancers' anklets.

Following that act was another display of Asian beauty, put on by the Thai Students at MIT. Performing two dances and one ensemble piece, the Thai group put an incredible amount of work into the evening. The dancers, in both dances, performed almost as beautiful dolls — marionettes — swaying almost as to mimic the ebb and flow of the tide to xylophone-like music.

Their costuming, satiny green with a red sash (or vice versa), complemented a blinding, gold crown upon each of their heads — mimicking the radiance adorning a Thai temple, and just as enchanting. The final Thai performance was an ensemble of all sorts of Thai instruments, ranging from woodwind to string, each bearing a distant Western counterpart. Though mildly atonal by Western standards, it had an elegance of its own at very high octaves, very separate from the traditional koto-esque Asian music purveyed by the media. All in all, the Thai Students at MIT enriched the evening with displays of glamour and a sampling of celebrated music (with a Thai twist, of course), making for a very didactic experience.

From the Japanese Society of Undergraduates came two songs — one a traditional folk song ("Furusato" or "Hometown") and another, an example of the delightful genre entitled J-Pop. "Furusato," sounding operatic in the most Western of ways, was pristinely delivered by the versatile voices of Megumi Ando '04 and Nozomi Ando '01. The duet was outstanding, flirting with octaves far beyond the normal reach, and rivaling familiar operatic renditions. The J-pop tune "Sionara Daisuki Na Hito" was a John Tesh-meets-LeAnn Rimes kind of tune, with the former two Andos joined by two more singers. Though it was a less ambitious piece, it earned points with the audience by virtue of the charisma of all four singers.

The Chinese Students Club presented an Umbrella Dance, presented earlier this year at their New Years' banquet. Three girls adorned in black with flowery vests and with violet, red, and light green umbrellas glided across the stage, spinning their umbrellas in artistic patterns. Embodying the dainty and lithe, they served to further the common theme of beauty itself as a performing art. Another group, the Lion Dance, did its electrifying Chinese lion dance, filling Walker Memorial with the sound of a gigantic drum, and two monstrously large Chinese dragons moving about with the help of several Lion Dance members. Spewing chopped lettuce all over the audience and drinking wine, the Lion Dancers enlivened the "puppets" with skill, all the while engaging the audience.

The Filipino Students Association presented what is called *Tinikling*, dignified as the "Phillipine national dance." Essentially it was a game, the dancers dodging poles at their feet that were crashing into one another, making for the rhythm. Entertaining sheerly by virtue of such dynamics, it was done to Spanish-sounding music, the men costumed in white shirts and handkerchiefs tied around their necks. The women, found in sequins in butterfly patterns, danced with the men, both as if to hop about like birds.

The evening closed with a non-MIT event, entitled "A Slice of Rice." The organizers commissioned this act by three Los Angeles actors relating Asian issues without sounding indoctrinating and being frank. Each described a facet of life growing up as an Asian-American, sometimes losing coherence and sometimes making remarkably poignant impressions on the audience. Despite its creativity, the last act couldn't escape a pedagogical tone (however charismatic) that really didn't suit the audience (250 MIT students, on a Sunday night, at 10 p.m.).

All in all, the evening was a success, leaving the audience with a priceless sampling of a half-dozen different Asian cultures. Delivering far more than was expected or was promised, Grains of Rice brings new meaning to the once-cliche "multi-cultural experience."

#### **CONCERT REVIEW**

# Bridget Beirne: So Many People

A Rising Star

By Fred Choi

ASSOCIATE ARTS EDITOR

A SpeakEasy Stage Late Night Cabaret
Showcasing Bridget Beirne, with Musical Director Douglas Horner
Directed by Michael Forte
Boston Center for the Arts, 539 Tremont St.

April 13, 14 at 11 p.m.

Tickets \$12, \$10 students and seniors

he solo debut of Bridget Beirne, the vocal and acting powerhouse who only last year burst onto Boston's professional musical theater scene in the SpeakEasy Stage's production of Violet, was certainly an event to anticipate. Beirne, a senior at the Boston Conservatory, has in a short time demonstrated her formidable abilities in productions such as the Boston Conservatory's Anyone Can Whistle (Nurse Apple) and the SpeakEasy's productions of Songs for a New World and Floyd Collins (Nellie). Her performance in the SpeakEasy's LateNight Cabaret showcases her great talent and hints at the bright future of this new artist.

Throughout the evening Beirne conveys a youthful, earnest desire to entertain which, while potentially cloying, is utterly charming. At times this earnestness is aided by the scripted patter between songs, which is amusing but generally stiff, contrived, and superfluous. Beirne's talent is so great that she certainly doesn't require a flimsy framework to give her an excuse to perform a song. The exception is the opening miniscene in which Beirne goes through an audition, performing 39 bars of "Safety In Numbers" from *The Boyfriend* with the old "razzle-dazzle," which gets progressively more humorous in its iterations throughout the evening.

The hour-long performance is filled with gems that allow Beirne to demonstrate her wide emotional and musical range. Though her choice in music is varied, she generally favors pleasant but rather saccharine works by Stephen Schwartz and the pop-influenced members of "the new generation" of musical theater composers, including Jeanine Tesori and Ricky Ian Gordon. It is much to Beirne's credit that she overcomes the trite lyrics of such songs as Andrew Lloyd Webber's "Nothing Like You've Ever Known" to deliver an emotionally powerful performance (although why she chose to use the original, overtly syrupy lyrics rather than the much more emotionally interesting lyrics written for the Broadway revision is a mystery). Beirne is able to transform the performance of Schwartz's inherently two-dimensional song "Lion Tamer" into something more than sticky trea-cle. Even the final lines, "If I could be a lion tamer/Wouldn't he have to finally notice me," ring surprisingly emotionally true.

Beirne entertains most successfully in her performance of more emotionally sophisticated pieces or songs written for a specific situation - material more worthy of her ability. In "Schroeder" (from You're a Good Man, Charlie Brown), Beirne, perhaps a tad too shrilly, portrays the Peanuts character Lucy in her hilarious courtship of Schroeder. Here Beirne highlights the obsessiveness of her character such that the audience feels the concentrated, laserray desire of an eight-year old girl in love with a completely oblivious boy. Similarly, Beirne captures the combined frustration, confusion, and love of a girl pursuing a boy who "plays for the other team" in "The Boy From ...", Richard Rodgers' perfect parody of "The Girl from Ipanema" with hilarious lyrics by Stephen Sondheim. Beirne has a great comic timing, and her performance easily stands up to Millicent Martin's classic, quainter characterization in the 1976 recording of the musical revue of Side by Side by Sondheim.

It is in the works by Sondheim that Beirne naturally excels (although it is here that her accompanist Douglas Horner, otherwise sensitive and supportive, falters slightly at the oftentimes terrifyingly involved accompaniment). In "The Boy From ..." and "You Could Drive A Person Crazy," Beirne's vocal and dramatic performance is wild and unrestrained which, while appropriate, is at times distracting and schizophrenic. However, her approach to "There Won't Be Trumpets" and "Another Hundred People," featuring more restraint and more economical movement, was right on target.

In So Many People Beirne blows the roof off of the Boston Center for the Arts' BCA theater. In such an intimate setting one might have chosen a more subdued approach, but with such a fantastic performance one can easily forgive a little rambunctious energy. So Many People shows that this performer not only has the vocal power, sweetness, and drama of Bernadette Peters or Audra McDonald, but also has a distinct and unique flair and stage presence. Although Boston will feel the loss when Beirne goes to New York, we can still look forward to her performance in the SpeakEasy State's upcoming production of Sondheim's youthful work Saturday Night and her appearance on New York City stages.



# Course VI Free Brunch

Course VI is all about!

All Freshman Are Welcome!

Date: April 11 (Wednesday) Venue: Bush Room (10-105)

Time: 8:45am - 10:45am

Course VFree Brunch!

Course VI Rules!

FOOD REVIEW

# The Essential Vegetarian

Fast Food Nation

By Katharyn Jeffreys

STAFF WRITE

received a disturbing e-mail this week, which was sent to the Vegetarian Student Group mailing list <vsg@mit.edu>. The writer had seen an article discussing Eric Schlosser's book Fast Food Nation, which indicated that animal products are used in flavoring McDonald's french fries <a href="http://www.jsonline.com/enter/books/feb01/fast20021901.asp">http://www.jsonline.com/enter/books/feb01/fast20021901.asp</a>. The article relates that "the legendary 'subtle something' that makes McDonald's french fries a cut above the competition used to come from frying the fries in beef tallow. But when McDonald's switched to vegetable oil in 1990, it wanted to maintain the subtle beef taste, so the company added a 'natural flavor' made at a flavor factory." The originator of the e-mail wrote to McDonald's to verify this, and received confirmation that "for flavor enhancement, McDonald's french fry suppliers use a minuscule amount of beef flavoring as an ingredient in the raw product." It went on to say that, "The reason beef is not listed as an ingredient is because McDonald's voluntarily (restaurants are not required to list ingredients) follows the 'Code of Federal Regulations' (required for packaged goods) for labeling its products. As such, like food labels you would read on packaged goods, the ingredients in 'natural flavors' are not broken

This is another example of the fast food industry's not considering vegetarian needs. Vegetarians can either pretend they don't know about these "minuscule" bits of animal contaminating their food, or switch to a diet that contains less processed foods and more certified vegetarian foods. I personally draw the line to include most processed foods, because of convenience. However, ideally I would cook with products that do not contain questionable "natural flavors."

Over the weekend I went to Bangkok Blue, located on Boylston, just across from the library. As the name implies, the restaurant serves Thai food. However, I was less than impressed. I ordered the spicy tofu, but asked for it to be prepared slightly less spicy. Nonetheless the spice nearly drowned out the flavors of the food. There were maybe six wedges of tofu mixed in with some mushrooms, baby corn, snow peas, and a whole mess of bamboo shoots. I would have liked more tofu and less bamboo, but was full after pulling out the "good stuff" from the plate. The menu contained a whole section of vegetarian options, but none of the specials and few of the appetizers (which I had heard were wonderful) were vegetarian. In addition, some of the vegetarian dishes were served on oyster sauce, a quirk I have found at many Asian restaurants that really irks me. The service was relatively good; the waitress was attentive without being overbearing. The decor was very bright, with painted tile tables, glass bricks on the wall, and bright lights hanging just above every table. We went in at a little after eight on a Saturday night, and there was no wait at all, even for a party of six.

I love potatoes, and since McDonald's french fries are now off limits, here is an alternative potato recipe that you can eat with your fingers as

Potato Appetizers

1 pound potatoes 2 tablespoons olive oil salt and pepper to taste 1/2 cup chives or green onions, finely chopped 1/2 teaspoon paprika 1/2 cup wheat germ

Preheat the over to 375°. Peel and chop potatoes. Place potatoes in a pot of water and cover. Boil until soft.

Mash cooked potatoes with oil and then add salt and pepper. Shape mix into 1-inch balls. Mix paprika and wheat germ together in a separate dish. Roll potato balls in paprika and wheat germ mixture until coated. Place on greased baking sheet. Bake for about 20 minutes. Let stand on folded paper towels before serving with toothpicks.

# MIT Pepartment of FACILITIES CAMPUS CONSTRUCTION UPDATE

#### SPORTS AND FITNESS

Activities involving concrete delivery and pouring may disrupt pedestrian and vehicular traffic and cause noise and some utility shutdowns.

#### LOBBY 7

A major restoration to Lobby 7 has begun. Preliminary testing of cleaning methods will be conducted prior to the restoration. Work to take place this spring and summer includes a cleaning of the dome and masonry, lighting replacements, and the opening of the skylight.. STATA CENTER

Expect high volumes of truck traffic delivering concrete and rein-

forced steel for the foundation.

SIMMONS HALL
The placement of concrete may generate noise and affect vehicular traffic. Activity on the Vassar Street duct bank may affect pedestrian

#### way finding. DREYFUS CHEMISTRY BUILDING

Construction of the labs on the west side of the building has begun.
This may cause a high noise level between the hours of 6:00 AM and

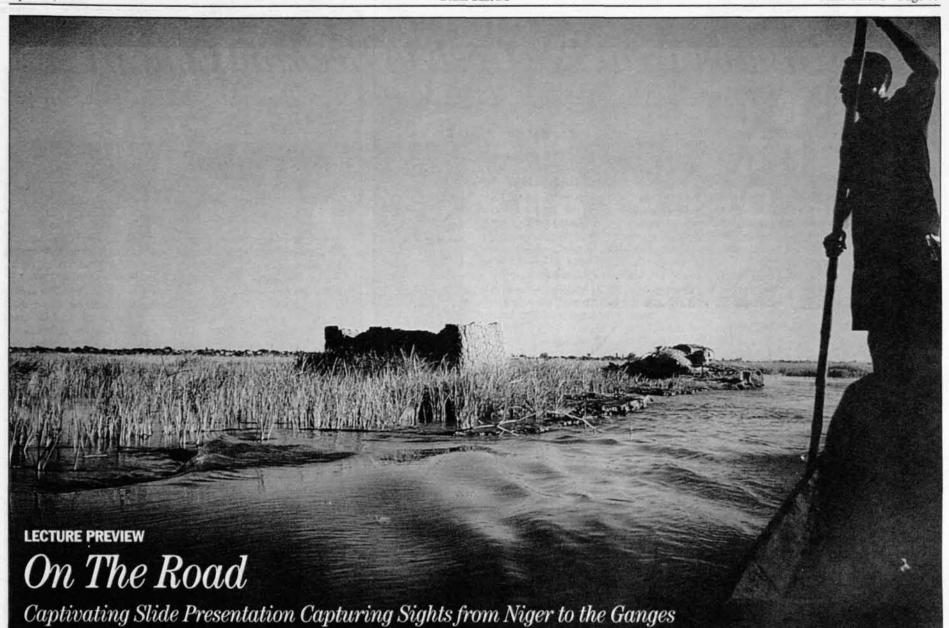
#### 70 PACIFIC STREET (GRADUATE HOUSING)

Site utility installation and the pouring of concrete foundations may generate dust, noise and cause disruption to vehicular traffic.

#### UTILITY INSTALLATION

The driving of steel sheeting in the northwest sector of campus may cause vibrations and cause disturbance to the surrounding area.

This information provided by the MIT Department of Facilities: web.mit.edu/facilities/www/construction/



By Nathan Collins

PHOTOGRAPHY EDITOR

Sangam Arts Initiative Presents:
"Lotuses for Osiris and Marigolds for Vishnu: A Photographic Portrait of Cultures from Niger, Nile to Ganges"
A Slide Show by Susanne Gänsicke Wednesday, April 11, 6:30 p.m.
Room 6-120

streets of Timbuktu, travelled with Marco Polo, and seen at least a few of the wonders of the world. Now, she'd like to tell you about it.

In her capacity as Associate Objects Conservator for the Museum of Fine Arts, Boston, Gänsicke travelled through North Africa all the way to the Ganges River in India. She is an archaeologist and spends a fair amount of time around excavations. She is good at what she does, having received an Andrew Mellon Fellowship to work at the Metropolitan Museum of Art in New York. But she's keenly aware that stories bring history alive and that photographs bring those stories even more alive.

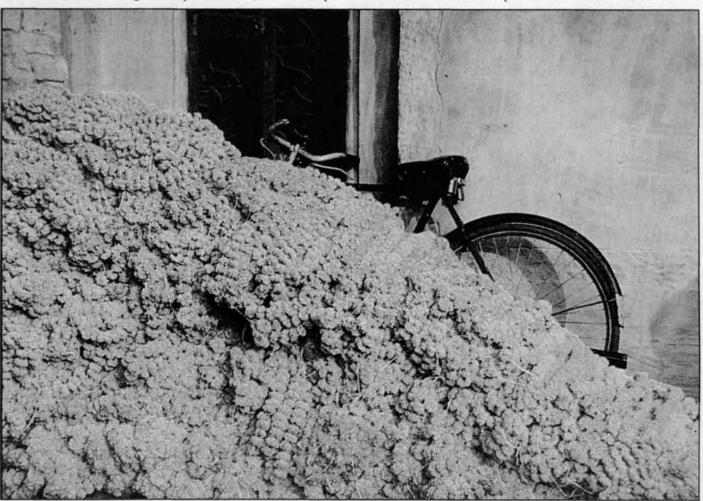
The story begins inauspiciously on a bus somewhere in Mali. The bus stops in what appears to be the middle of nowhere, but men get off to walk home nonetheless. Gänsicke says this emphasized a point — the cultures she was about to be immersed in were travelling cultures.

The theme continues throughout the presentation. At various times we see men travelling slowly down rivers, or random strangers on a road to somewhere that looks, to American eyes, like nowhere. Throughout, Gänsicke stops off to check out the notoften-seen sights: fantastic shrines that didn't make the Seven Wonders of the World, and children running through the streets of a blue city, to name a few.

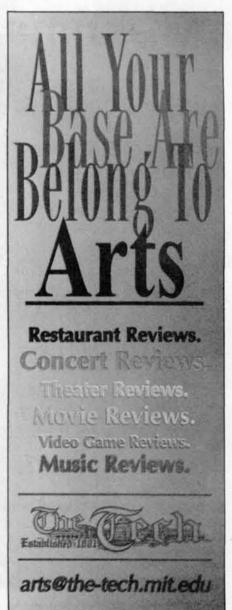
The photography in Gänsicke's presentation has some exciting moments. Her portraits of North African women and families show a side of the culture that can often be glossed over. Gänsicke does not present African women in their colorful clothes simply for the sake of being exotic. In the handful of portraits, we see people as they are today on the ancient road. One portrait of a family reminded me of pictures my aunt takes, not of National Geographic-esque cover portraits.

One thing that really stands out in the photography is color, particularly in the photographs from India, where marigolds seem to adorn everything from people to bicycles to elephants. India is also the location of the blue city just mentioned. Even in the dryer, dustier climates of Mali, color is important. The yellows and browns are impressive against the sky, and there is nothing like a narrow passageway partially lit by the sun to make for great lighting.

Still, this is a presentation of a story, and while the photographs are at times quite lovely, the story and the photographs come together to make the experience complete. Gänsicke's presentation is a sophisticated and subtle bedtime story — by themselves, the plots and the pictures are maybe not the stuff of greatness. Together, they lull us and surprise us and give us nice things to dream about. The image that stays with me best is of a man pushing a boat slowly upstream in the sun, surrounded by green plants and blue sky, going to somewhere that looks like nowhere.



Susanne Gansicke's photographs often document the history of West and North Africa and India, but they also show viewers something of the way life is lived in these places. A man looks off in the distance on a river in Africa (top), and a bicycle is one of many things adorned in marigolds in India. Susanne Gansicke, an Associate Conservator at the Museum of Fine Arts, Boston, travelled around the region, stopping off at Timbuktu and the Ganges River and many places in between, as an archaeologist, and she recorded her travels on film. Striking color, intimate moments, and fine storytelling weave together into an exciting portrait of locations seldom seen by American eyes. Gansicke and MIT Sangam present the result, Lotuses for Osiris and Marigolds for Vishnu: A Photographic Portrait of Cultures from Niger, Nile to Ganges, Wednesday, April 11, in Room 6-120 at 6:30 p.m.



**CONCERT REVIEW** 

# Music Groups Treat Pre-frosh to Evening Concert

Chamber Orchestra, Percussion Ensemble, Festival Jazz Ensemble, Wind Ensemble, and Chamber Chorus Perform for Pre-frosh

By Jeremy Baskin

n Thursday afternoon, about 750 pre-frosh descended upon the campus to explore MIT and experience tech life for a weekend. On Friday night, five performing ensembles descended upon Kresge Auditorium to showcase the MIT music program to the campus at large, but specifically to the pre-frosh.

With such a goal in mind, and since Kresge only seats about a thousand people, one would have hoped for a bigger crowd than usual; the auditorium was, however, a little bit less than half-full. Compared to the amount of fraternity parties and other social enticements that MIT and Boston had to offer, on the other hand, maybe the Campus Preview Weekend concert didn't do too badly, after all.

The program started with the Chamber Orchestra's interpretation of Ottorino Respighi's Ancient Airs and Dances for Lute, No.3. An early 20th-century Italian composer who lived most of his life in Rome, Respighi is known, like the French Maurice Ravel, as a master orchestrator. Respighi's most recognized work is a trilogy of symphonic tone poems based on ancient Rome: Fountains of Rome, Pines of Rome and Roman Festivals.

Although Ancient Airs and Dances, the piece heard on this program, has no relation to the aforementioned trilogy, the mere placement of Respighi at the beginning of the program, coincidentally or otherwise, immediately evokes thought of ancient Rome in the audience and provided a muchneeded continuity with the last piece on the program, Roman Odes, by Michael Wein-

Each movement in Ancient Airs and Dances is based on a theme written by a different Renaissance composer. One initially thinks of Stravinsky's modernization of Pergolesi's themes in the Pulcinella Suite as the archetypal contemporary composition based on themes from past centuries. After listening to the Ancient Airs and Dances, however, one gets the impression that Respighi was less interested in radically changing the musical content from the original piece than

The Chamber Orchestra played an arrangement of the piece (originally by Respighi for lute, as the title suggests) for strings, although a version exists for full orchestra as well. The music seemed to highlight the group's small size or else the monstrous size of Kresge Auditorium, especially when only 12 string instruments are

on the stage. Professional string quartets, however, have been known to fill this hall with their sound.

Pizzicatos in the cellos and basses were very precise, and viola solos soared out beautifully, despite their inherent disadvantage at having the instruments facing away from the audience. The violins, outnumbered in spirit if not quite in number by the other instruments, could have projected their sound more boldly. To compensate for a genuine richness of sound that was not always present for the musicians to settle into, the tempi were taken a bit too fast for the mood in much of the piece. This reviewer gets the impression, having heard many of these players play wonderfully in smaller chamber ensembles, that the Chamber Orchestra isn't yet quite equal to the sum of its parts. Since those parts are, by and large, excellent musicians, though, the overall performance was still quite enjoyable.

Changes of pace were plentiful in this program. The next ensemble on stage was the Percussion Ensemble. They performed the third movement from Gainsborough, by Thomas Gauger. A member of the Boston Symphony Orchestra's percussion section and a former member of the faculty of music at Boston University, Gauger is not simply a fixture but a bright light in the world of performing, composing, and teaching percus-

The third movement (Presto) of Gainsborough is lively and exciting and employs the concepts of melody and harmony, just not in conventional ways. Hearing xylophones and marimbas carry the melody should remind pianists of the percussive roots of their instrument.

The Percussion Ensemble, which performed this piece in its entirety earlier this year, worked hard to give this movement the edginess and adrenaline it needs, and for the most part, rhythmic precision was maintained. It's too bad that the logistics made for such a large separation between the conductor and the musicians and also between the musicians and the audience; they were for the most part at the back of the stage with about 40 empty chairs (for the upcoming ensembles) in front of them.

"Another piece, another genre" could have been the theme of this concert, as the Festival Jazz Ensemble stepped up to the plate to deliver a swinging rendition of Oliver Nelson's Stolen Moments. Born in St. Louis in 1932, Nelson, an alto saxophonist, studied composition with noted classical composer Elliott Carter. Although Nelson did compose some classical pieces, he is



Trumpeters Satish Ramaswamy '04, Marius J. Hauser '03, Derrick O. Carpenter '04, and Andrew R. Beyer '03 of the Wind Ensemble play Roman Odes in the Campus Preview Weekend concert Friday night.

best known for his jazz compositions; some would say that Stolen Moments is his best

The Festival Jazz Ensemble did an excellent job of performing the piece. The rhythm section, solid as a rock, served as a reliable base for the ensemble. Many pleasant wind solos were heard; the only things that seemed to be lacking were some solos by members of the rhythm section.

The Wind Ensemble closed out the program with two pieces. The first was Postcard, by Frank Ticheli, a 43-year old composer and faculty member of University of Southern California. A short, rhythmic work, Postcard showed off the different sections of the Wind Ensemble, which played the piece with excellent cohesion.

The program closed with Roman Odes, by Michael Weinstein. It was commissioned in memory of John Corley by the Wind Ensemble and given its premiere three weeks ago by the Wind Ensemble and the Chamber Chorus in Kresge Auditorium. The piece is scored for wind ensemble, small chorus, and solo French horn.

In his spoken introduction to the audience, Weinstein described what he was looking for when he came upon the texts of Horace that he subsequently set to music: . something outside the arena, outside conquering the world, about the Romans. There's not much, but there is Horace.'

The quasi-liturgical, quasi-tonal piece was given an even better performance this time than it had been given three weeks ago. Especially improved was the movement for brass octet.

Jean Rife's horn playing, from the balcony, was refined and expressive as always. The chorus, singing very well throughout, had some difficulty projecting over the wind ensemble, although one could hardly blame the chorus for that problem of balance. The opening and closing movements, which involved processions onto and off of stage, respectively, were very effective with the lighting, but proved to be extremely difficult to coordinate rhythmically.

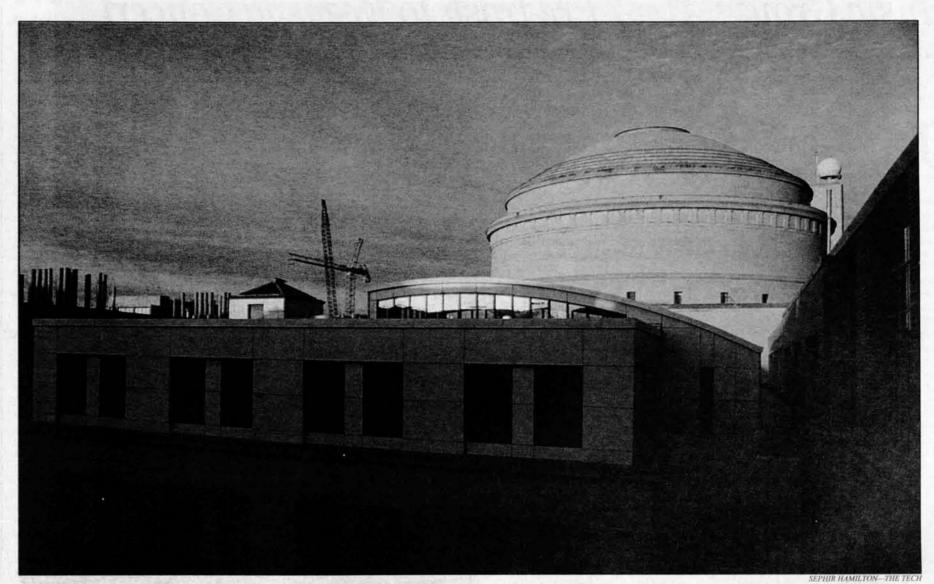
One final comment about the program involved the lighting. Given the high quality of all the groups performing, it was unfortunate that the evening had to be tarnished by somewhat amateurish lighting. Throughout the entire night, the lights were too dim, except when pieces were finished and the players took their bows. It is not a crime if a little extra part of stage that doesn't have musicians on it is lit, especially if it helps the audience feel as if they're not in a cave with a tiny light at the end with some musicians in that light.

No good audience member, however, would let such small issues ruin an enjoyable evening of music, though, as this evening certainly was.



The MIT Chamber Orchestra performs for prospective freshmen during last Friday's Campus Preview Weekend concert.

April 10, 2001 THE TECH Page 15

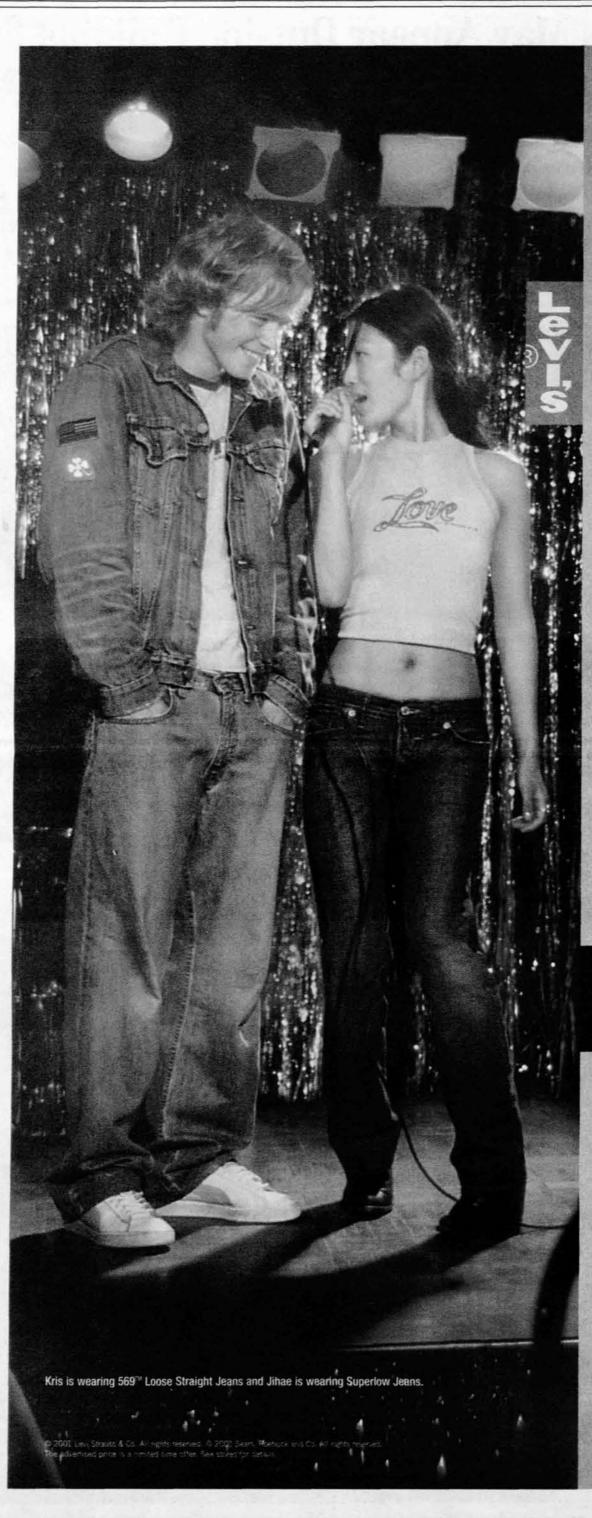


A crane at the Stata Center site is visible from a window near the Dome Café in Building 7 at sunset.



Construction on Massachusetts Avenue at the railroad tracks impeded both pedestrian and vehicular traffic over the weekend.

VENDY GU THE TEC



MAKE THEM YOUR OWN"

# NEW

From Levi's Jeans

NEW FOR JUNIORS SUPERLOW JEANS

NEW FOR MEN LOOSE STRAIGHT 569" JEANS

SEARS

# New Food Trucks May Appear Outside Building 68

By Brian Loux

ASSOCIATE NEWS EDITOR

A new food truck will soon take its place in the line-up outside of Building 68.

Some students may have already noticed that the bright yellow truck of Alright Catering has been absent from its usual spot for over a week. In fact, the truck, specializing in jerk style cooking, has left the campus for good. Its operators cited personal reasons for the decision. Butch Harris, the truck's operator, "seemed to have very good business, and seemed very sorry to leave," said Richard D. Berlin, Director of Campus Dining, "It was very sudden ... I received a fax from him on March 25 that March 23 was his last day." Harris was not available for comment, but he said in the fax to Berlin that he deeply regretted leaving behind his loyal customers and friends on campus.

Over the last week, Alright Catering has worked with MIT to find a replacement. Alright Catering sold its yellow truck to Chef Chow's House in Brookline, which hopes to soon take the vacant spot. "We looked over their menu and tried to edit it to maintain the variety of food options," said Berlin. "Their menu is still Japanese-oriented ... and has many teriyaki dishes, but they will also serve the very popular burritos that Alright catering vended."

"We know that it is a very popular and [healthy] choice, so we will try to make the best of it," said Chris Chow, manager of Chef Chow's House. "It is not our specialty, but we will make it our specialty."

Chef Chow's House will use the same yellow truck. Its name will be Lunch Box Express, not to be confused with the truck of the same name with a similar menu that operates on Massachusetts Avenue.

"We have been in the food busi-

ness for a very long time, but this is our very first [experience operating a] food truck," said Chow. She said her Brookline business had serviced Harvard students well for a long time, "and we are hoping to service more of Cambridge, so we were eager for this opportunity to work with the MIT community."

Chef Chow's House is currently waiting for approval of their temporary license from the Cambridge License Commission. Berlin said that he does not expect any complications with the approval, so Lunch Box Express should be able to begin service after tonight's CLC meeting.

#### Contracts expire in June

The Lunch Box Express, as well

as the other three trucks in the same location, Goosebeary's, Moishe's Chicken, and Maurice's Pizzeria, may only retain their spots until June 30. Under a new initiative by Berlin, a committee will convene in the near future to decide which four trucks will serve MIT for the next two years.

"It gives us a chance to maintain a variety of new dining options on campus and it gives us a chance to maintain good relationships with the city," Berlin said. "We give all entrepreneurs a chance; we do not consider incumbency."

The committee will be made of students, staff, and faculty members. "Most likely we will have representatives from the Student Dining Committee as members," said Berlin. The committee will then solicit bids for the four spots from local food businesses. "The committee will review the menus, trucks, and foods of the companies," said Berlin. "They will then make decisions based upon the quality, value, and variety of foods that each truck offers."

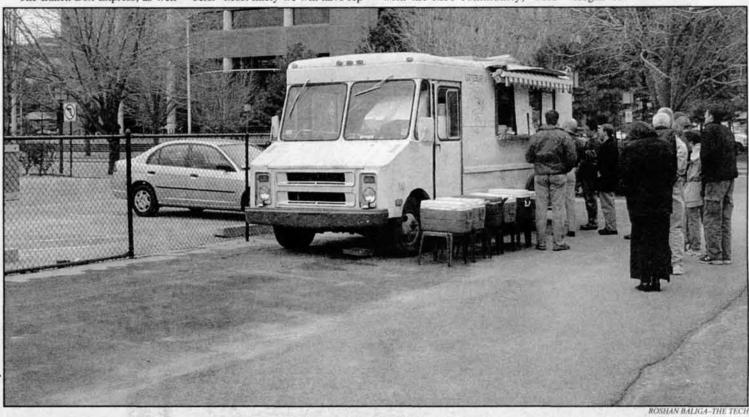
In the past, MIT received eight or nine applications from different businesses. All of the food trucks currently stationed near Building 68, including the fledgling Lunch Box Express, plan to rebid for their spots. "We definitely want to develop a long term relationship with the MIT community," said

Chow

One of the applicants this year is expected to be Jerusalem Cafe, the Mediterranean restaurant located two blocks north of 77 Massachusetts Avenue.

Student reaction to the policy is mostly favorable, though some are skeptical. "It's definitely a good idea to switch the ones that are not doing well, but we should definitely keep ones like Goosebeary's if everyone likes it," said Matt Alaniz '01

"I think it's important to offer variety, but that doesn't mean the businesses will fare well. We should look for more options for the student community," said Kelly M. Hogan '02.



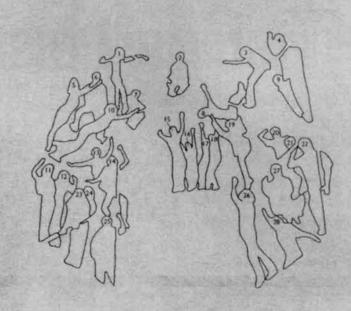
The already popular Goosebeary's food truck, located next to Building 68, should gain more customers now that the "Jamaican Jerk Chicken" truck has stopped serving at MIT.

Thus.  $R(k,l) > n - (k) p^{(k)} - (l) (lp)^{(k)}$ FOR MLL  $n \in [N]$ ,  $p \in [0,1]$ .

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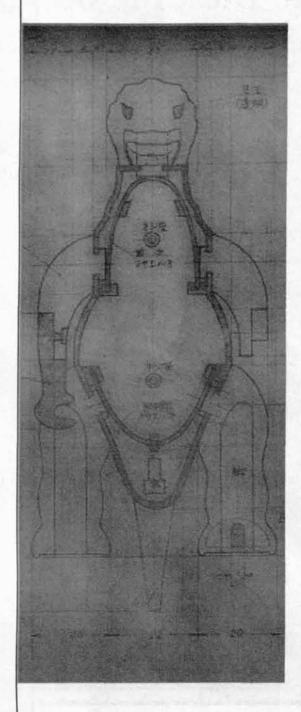
Easy to forget.



Hard to remember.

Technique 2001 living group photos are now available for sale. Order through your group's representative before April 14.

TECHNIQUE THE MIT YEARBOOK Page 18 THE TECH April 10, 2001



The Department of Mechanical Engineering Welcomes Students to the

# Course 2 Open House

Today 12:30 - 3:30 PM Bush Room

Meet current students and professors Participate in hands-on activities Discover career opportunities

Refreshments and laboratory tours available throughout the day

**Conference on** 

# JUSTICE AND GLOBAL POLICY ISLAMIC PERSPECTIVE

Over fifteen speakers including:



#### Louay M. Safi

Director of Research, International Institute of Islamic Thought President, Center for Balanced Development



#### Robert L. Carothers

President, University of Rhode Island



#### Ingrid Mattson

Associate Editor, The Muslim World
Professor, MacDonald Center for Islamic Studies and Christian-Muslim Relations at the
Hartford Seminary



#### M.A. Muqtedar Khan

Assistant Professor of Political Science, Adrian College Columnist, Washington Report on Middle East Affairs



#### Ibrahim Abdil-Mu'id Ramey

Coordinator of Disarmament and Racial and Economic Justice Programs, Fellowship of Reconciliation



Massachusetts Institute of Technology - University of Rhode Island Fifth Annual Muslim Heritage Program



Saturday
April 14

Kresge Auditorium MIT

#### Topics to be covered include:

- Blockades and Sanctions Against Countries
- Policy of Mass Extermination
- Use of Double Standard in Global Policy
- Production, Trade, and Use of Weapons of Mass Destruction, Where is Humanity?
- Modern Warfare, Method of Remote Killing without the Pain of Conscience
- United Nations or Veto-Powered Nations?
- Global Economic Policy
- National Security

#### Register & Info:

http://khyber.mit.edu/ muslim

#### Campus Preview Weekend 2001

LARON D. MIHALIK-THE TECH

(bottom) Senior House residents enjoy an intense match of Twister during the Senior House Boobie-que on Saturday. Tanya I. Burka '03 took first place in the competition, winning the \$2 prize.

JAMES CAMP-THE TECH

(right) Brooke Bryant (Wellesley '03) sings "Angels Would Fall" by Melissa Etheridge, one of the MIT/Wellesley Toons' four Campus Preview Weekend concert pieces.





Looking for a cool summer opportunity?
Interested in service and education?
Want to make a difference in the community?

The MIT Public Service Center (PSC) is offering the following PAID summer fellowship opportunities:

- · work with a local community service agency
- help to establish an optical lab in Guyana
- · work with PSC staff on educational outreach

Information and applications for any of the above fellowships are available in the PSC, W20-547, x3-0742, psc@mit.edu.

#### **Orthodox Christians**



This week is Holy Week--join your fellow MIT students in attending church services. Visit the Orthodox Christian Fellowship homepage (at web.mit.edu/ocf/www) to see service times at local churches. Please email us if you'd like help finding a church (or services in a specific language) or would like help arranging a ride.

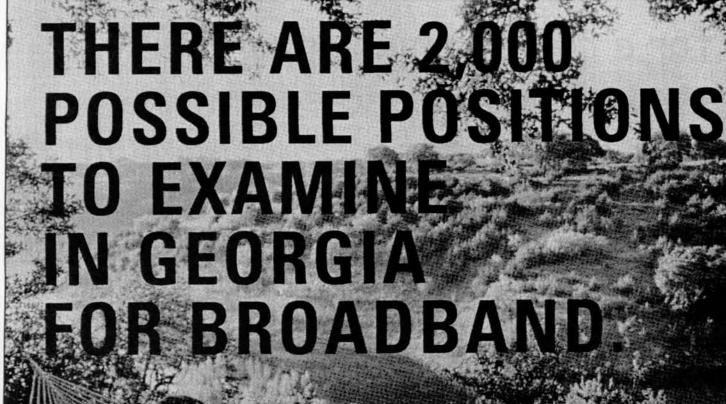
Also, mark your calendar for our Bright Thursday vespers service at 5:30 on April 19 in the chapel.

Refreshments will be served, and everyone is welcome to join us!

Questions? Call John at 225-8717 or email orthodox@mit.edu

Broadband telecommunications is on a roll in Georgia. Believe it. The Yamacraw broadband design program has helped Georgia create more than 2,000 attractive jobs for new engineers with powerhouses here like Broadcom, CIRREX, CIENA, StarCore, Wi-Lan, Echostar, Barco, Cypress, MicroCoating Technologies, Nortel, SecureWorks, IDT, Movaz, Luxcore, RF Solutions and Ardext Technologies. If your life is Broadband, live it in Georgia midst a marvelous climate, a wealth of natural resources and recreation and a favorable cost of housing and living. Visit the Yamacraw Web site, submit a resume into the jobs database or contact Yamacraw Corporate Recruiting Advisor, Marlo Wilkes at 404.385.2137 for more surprising information.







# Graduate Schools Earn Top Rankings

Rankings, from Page 1

schools are among the strongest."

#### Department rankings stay high

Individual departments also earned high rankings. The electrical engineering and computer science department and the mathematics department were both ranked number one in their respective disciplines.

"Starting around the 1950s, some individuals understood they could take advantage of the position of MIT as a wonderful center for engineering, a center for mathematical research with wonderful mathematicians," Vogan said.

MIT's Sloan School of Management ranked fifth, down one place from last year. The top business schools in descending order were Stanford, Harvard, Northwestern (Kellogg), and the University of Pennsylvania (Wharton).

"There's always movement up or down one or two places," said Executive Director of the MBA Program Margaret C. Andrews SM '92. "The importance is that we're ranked in the top five."

Deputy Dean of the Sloan School of Management Gabriel R. Bitran PhD '75 agreed, saying, "We have been ranked in those ranges before ... we're continuously good, continuously improving."

#### Specialty programs also ranked high

Most programs within the School of Engineering retained their high rankings. Chemical Engineering, Aeronautics and Astronautics, Electrical Engineering, Materials Science and Engineering, Mechanical Engineering, and Nuclear Engineering were again ranked first.

MIT also remained first in the specialty science fields of inorganic chemistry, atomic and molecular physics, nuclear physics, computer science hardware, computer science artificial intelligence, and geological tectonics.

In the Sloan School of Management, MIT again topped the list in management information systems, production/operations management, and quantitative analysis.

The specialties within economics experienced the greatest shifts in rankings. Microeconomics moved up to first from second place, whereas international economics fell from first to third. The economics department as a whole ranked first, no longer tied at first with Harvard and Stanford.

Blanchard said the rankings "reflect the fact that we try very hard to have a good program."

"It's a collegial department, both among students and faculty," Blanchard added. "We talk about research with each other and make progress together. It's intellectual fun."

The rankings were based on criteria including reputation, student selectivity, faculty resources, and research activity. Surveys were sent to thousands of academics and professionals in the fall of 2000 for evaluation of programs in business, education, engineering, law, and medicine. Rankings for the sciences were determined in 1999.

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# **Petition Emphasizes Benefits of Research**

Stem Cell Funding, from Page 1

human embryos. "I do not support research from aborted fetuses," Bush said in an exchange from White House reporters.

#### Petition touts benefits of research

The letter of petition, dated Mar. 26, urges Bush to "permit the current National Institutes of Health guidelines governing human pluripotent stem cell research to remain in effect," thus allowing a continuing effort on stem cell research as well as human embryonic stem cell research

The letter brings to attention the benefits of pluripotent stem cell research to developing treatments as well as cures for many diseases, such as Alzheimer's disease, diabetes, heart disease and

The presidents of seven of the eight Ivy League universities signed the letter. In addition, the presidents of the California Institute of Technology, Stanford, Duke, Johns Hopkins and Tufts Universities are all among the signers of this petition.

"It is too early to understand how the relations between the Bush administration and the academia will develop, but I am optimistic," Vest said. "There is strong interest in the White House in developing their approach to science and technology policy.'

#### Laureates, lawmakers also appeal

Earlier in the year, President Bush received an appeal on the same issue from 80 Nobel laureates, including seven MIT professors. The letter outlined the therapeutic benefits of stem cell research, arguing they outweighed the ethical issues involved.

"The discovery of human pluripotent stem cells is a significant milestone in medical research. The therapeutic potential of pluripotent stem cells is remarkably broad," said the Nobel laureates. "While [the petitioners] recognize the legitimate ethical issues raised by this research, it is important to understand that the cells being used in this research were destined to be discarded in any

The Nobel laureates cited the precedent of using fetal tissue in medical research to support their argument. "For the past 35 years," they wrote, "many of the common human virus vaccines, such as measles, rubella, hepatitis A, rabies and poliovirus — have been produced in cells derived from a human fetus to the benefit of tens of millions of Americans. Thus precedent has been established for the use of fetal tissue that would otherwise be

"Stem cell research could have mificant results in terms of medical treatment; it would be a terrible thing to not have the opportunity to understand its power," said Institute Professor Jerome I. Friedman, one of the laureates who signed the let-

Professor Rudolf Jaenisch, who recently testified before Congress on banning human cloning, explained that "the goal of stem cell

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research is to obtain a source for any somatic cell type to be derived from culture. This can be used to help the sufferers from all kind of diseases: heart, liver, brain, blood,

"It is important to understand the biological basis for this research," Jaenisch said.

Support for stem cell research also came from lawmakers. In early March, 95 members of the House of Representatives, including five Republicans, submitted their own letter of petition to President Bush urging him to maintain federal financing of embryonic stem cell research. This letter argues that "the National Institutes of Health has provided stringent requirements which enable scientists to conduct stem cell research within the constraints of careful federal oversight and standards.'

#### Some oppose stem cell research

The Archbishop of New York has taken a stance against stem cell research, labeling research involving embryonic stem cells as

The Catholic Church has established its position in stating that "use of cells from human embryos could not be justified, regardless of how many lives might be saved or improved from the resulting research," said the Most Rev. Edward M. Egan at the annual meeting of the Association of American Medical Colleges. "Extracting the cells destroys the embryo, which should be treated as a human being," Egan said.

In a letter to the NIH, 20 Republican senators echoed this view, stating that research derived from destroying embryos is unethical and unlawful.

The future of the stem cell research is still under deliberation at the White House, which still lacks a new science adviser.

#### Stem cells fundamental to biology

Human pluripotent stem cells were first isolated in 1998. They exist in early embryos to give rise to almost all of the cell types of the body. Further research using human pluripotent stem cells may help generate cells and tissue for transplantation and improve our understanding of the complex events that occur during normal human development. In addition, proponents hope that research in stem cells will enhance our understanding of what causes birth defects and cancer, as well as change the way we develop drugs and test them for safety.

Stem cell research is an essential component of the human endeavor to understand self in toto," said Assistant Professor James L. Sherley, who currently conducts non-human stem cell research at MIT. "Stem cells are the biological engines that drive our creation. development, maturation, aging, disease and death. When we understand the molecular details of their function, we will know a great deal more about what and why we are."

The letter to President Bush from 112 university presidents can be found at <a href="http://chronicle.com/">http://chronicle.com/</a> weekly/documents/v47/i30/4730stem

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Ilona Karmel Zucker's niece, Joy Wolfe Ensor, shared personal letters with the audience during a memorial at the MIT Faculty Club on Friday. Karmel, retired senior lecturer in MIT's Program in Writing and Humanistic Studies, died in November after years of distinguished writing and teaching at the Institute. The Ilona Karmel Writing Prizes competition is dedicated to her honor.

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April 10, 2001

# Roberts to Propose Plan for Better Communication

#### Job Description for Residence Life Associates

The following is the current draft of the job description for Residential Life Associates that is being used by Human Relations.

#### **Basic Function and Responsibility**

The Residential Life Associate (RLA) at MIT offers resources, skills, and energy in the areas of crisis response, event planning, activities support, training, and effective communication between MIT's student life administration and residence halls (graduate and undergraduate). The four RLAs will work collaboratively with Housemasters, student residents, and the Residential Life and Student Life Programs (RLSLP) staff to each serve a specific zone of 3-4 residence halls. Residential Life Associates are on-site staff who serve to enable the work of the house teams and students within the residential system.

#### Characteristic Duties and Responsibilities

- 1. Provide support to residences, including, but not limited to:
- Providing administrative and logistical help in support of events and functions
- Working with Housemasters, House Managers, House Governments and Judicial committees, as requested, to improve procedures for handling complaints
  - · Serving as a resource link to RLSLP when issues arise
  - · Advising the Dormitory Council as requested
- Provide support to Graduate student residents, particularly in residences lacking housemasters. This support will include, but is not limited to:
- Working with the Graduate Student Office, Graduate Student Council, House Managers and Graduate Coordinators
  - · Assisting with orientation to graduate residential life at MIT
- Providing support for family issues, including spouse and dependent support, cultural integration of international students and their families, and domestic violence
- Providing a direct link to Mental Health and Counseling and Support Services (CSS) for the graduate residences without Housemasters
- masters

  3. Provide accessible on-site staff for after hours and weekend emergency situations and student concerns. Augment current Dean on
- 4. Assist with administrative support for residential initiatives, including, but not limited to:
- Providing administrative support for the selection of graduate resident tutors (GRTs), the graduate students that live in all undergraduate residences, through advertising and marketing the program, organizing pre-application information sessions, disseminating applications to residences, and answering general questions about program
- Coordinating logistics for required House Team training and CPR/First Aid classes and responding to specific training requests and needs of each residence with which they work
- $\bullet$  Serving as a repository of programming ideas, both documenting what is done and to what effects, and keeping records about how to do things at MIT
- Assisting residential governments with funding issues and acquiring resources for initiatives
- Assisting and advising residential governments on event planning, logistics, and working within the MIT and City of Cambridge systems for proper event registration.
- 5. Serve as a liaison between House Governments and officers and administrative offices on campus, including, but not limited to, the International Students Office, Medical, Athletics, Campus Police, the Academic Resource Center, the Family Resource Center, the Graduate Student Office, and Counseling and Support Services.
- 6. Serve as an advocate for student resident and housemaster concerns, actively solicit feedback on issues of concern within the residences, and work to improve communication between and among student residents, house governments, House Teams (GRTs, housemasters, and house managers), and RLSLP.
- Work as a team with other RLAs to improve residential communities throughout MIT.

#### Supervision

The Residential Life Associates will report to the Assistant Dean for Residential Programs, RLSLP, and will work with and through Housemasters in those residences with housemasters.

#### Qualifications

This is a live-in position. Masters degree in Education or Counseling and 2-4 years of student service/higher education experience is strongly preferred. Experience working with both graduate and undergraduate student populations is preferred. Demonstrated experience in counseling, crisis response, and mediation is required. Strong writing, speaking, organizational, and event planning skills are essential.

Our ideal candidate must possess good judgement and sensitivity in understanding and relating to students of various backgrounds. The ability to be flexible and adaptable in understanding and working within the MIT culture is essential. Creativity, enthusiasm, and the ability to handle challenging situations with tact are essential.

Must possess solid teamwork skills and be able to demonstrate collaboration. Proficient in computer and web applications, or the willingness to learn new systems, is preferred. Experience in a high-pressure, academic setting, such as MIT, is desirable. Evening, night and occasional weekend work is required, as is ability to manage a flexible work schedule. A typical workday will be 3 p.m. – 11 p.m. This is a 12-month, renewable contract position. Efficiency apartment and full meal plan provided. Anticipated start date August 15, 2001.

RLAs, from Page 1

skills RLSLP wants to see in applicants. Later on, the search committee will conduct phone interviews with applicants.

"We want to take our time to get good candidates but not take so long as to lose candidates," O'Dair said.

#### Community input analyzed

Much of the controversy over RLAs (previously called Residential Coordinators) centered around the perceived lack of communication between the administration and students.

In response to this and similar incidents, Roberts has released his own plan on how to improve community feedback on the administration's policies.

"It's related to a lot of things," Roberts said. "A lot of the ideas came from dealing with the RLA controversy."

The essay will be discussed at this Thursday's Dormcon meeting.

THE TECH Page 23

Roberts said that the issue has been brought up before at MIT. He said he found a document from the 1970s relating to the same issue: community feedback and involvement in policymaking.

"The same issues cycle back," Roberts said, "but that's not a reason not to try [to improve it]."

# site seeing

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The Alumni Association's monthly e-zine, openDOOR, will feature the MIT Class of 2001 in June.

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http://alumweb.mit.edu/opendoor/ask/

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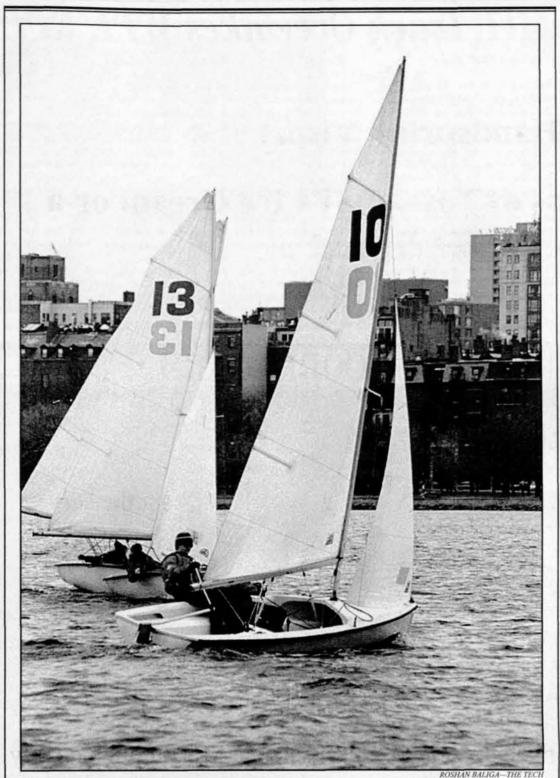
Every tenth person to completely fill out this survey will win a gift certificate to Toscanini's and one lucky respondent will win a Handspring Visor!

The Institute Foundation exists to raise the level of discussion at MIT through quality research and to guide the formation of intelligent new policies.

The purpose of this survey is to examine opportunities to become engaged in group activities at MIT, how well MIT students take advantage of these opportunities, and how membership in these groups affects the well being of the student body. This survey is intended for BOTH GRADUATE STUDENTS AND UNDERGRADUATES. The results of this survey will be published and distributed to the MIT community in a new publication funded by the Dean for Student Life, the Graduate Student Council, and the Undergraduate Association called the *Institute Forum*.

Become a part of the solution by informing and improving MIT with the *Institute Forum*! We will be electing a new editorial board and new officers for next year at our April General Meeting. All offices are open – this is a great opportunity for graduate and undergraduate students to become a part of a new tradition of raising the level of debate at MIT to improve the lives of ourselves and our fellow students.

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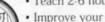
Jen Cooper '02 and Marjory A. Bravard '02 (boat 10) lead the fleet of competitors around the leeward turning mark in light and shifty breezes during the Sloop Shrew Regatta hosted by Harvard on Sunday.

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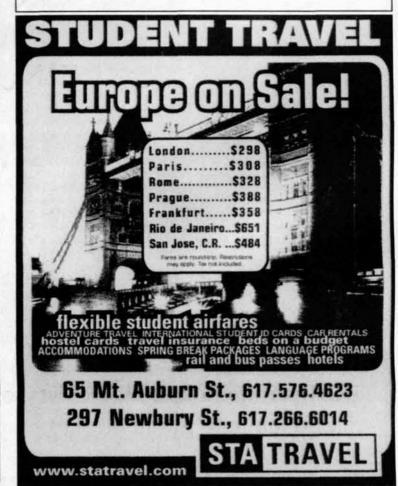


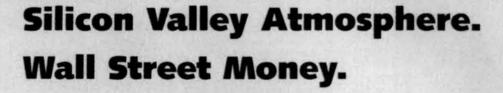
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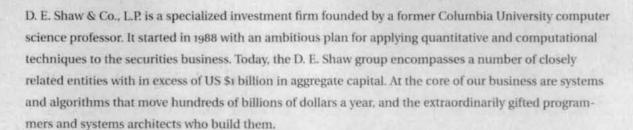
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Tennis, from Page 28

near flawless performance in no more than half an hour.

#### MIT edges Bowdoin

The final match of the week, on Sunday, stretched MIT to the limits of their abilities. The team members were much more serious, especially early on in the match. While joking and smiling was plentiful during the easier matches earlier in the week, the players were stoic as the Bowdoin match began.

"We're going to have our hands full," said Coach Jeff Hamilton, expressing the concern of the team.

The doubles matches set the tone for the afternoon. Emotions were flying. Fists were pumping. Shouts echoed off the walls of the tennis bubble.

The number one doubles match had Jeffrey P. Augustyn '03 and Kolesnikov facing off against two worthy opponents. Both teams struggled to hold serve early in the set. MIT and Bowdoin combined for nine service breaks in the doubles set, which is awarded to the team that reached eight games first.

One of the most critical games was the ninth. MIT finally held serve in this game after there had been six consecutive service breaks. Augustyn and Kolesnikov managed to win the game through sheer effort.

In a particularly exciting sequence, a Bowdoin player lobbed over a leaping Augustyn. Kolesnikov scrambled to the backcourt and flicked a backhand lob over the net. The Bowdoin player set up for an overhead smash and slammed the ball off the very top of the net. The ball caromed off the net and went directly towards Augustyn, who reacted quickly enough to volley the ball back. The surprised opponent sent the next shot long, past the baseline.

The Augustyn/Kolesnikov duo were able to maintain this high level of play, finishing off their opponents 9-7. However, the other two MIT doubles teams lost and the doubles point was given to Bowdoin.

Augustyn began his singles match with tremendous confidence. After holding his first service game, he continued to apply pressure to his

opponent. He charged the net and put away a volley, leading to a service break in the second game of the set.

For the remainder of the set, Augustyn was aggressive, preferring forceful shots to neutral shots. He took every opportunity to gain the upper hand in the rally by stepping in front of the baseline and pounding the ball past his opponent. He finished the first set easily, 6-3.

The beginning of the second set appeared to be all Augustyn as well. He opened the set with a service break. With two explosive forehand winners, he held his next service game.

However, Augustyn unexpectedly stumbled in the next few games. His unforced errors accumulated more rapidly than his winners. Additionally, his opponent generated two game-winning down-the-line winners. The frustrated Augustyn ceded the second set to his opponents 2-6.

In the third set, neither player appeared to be willing to take an advantage over the other. Augustyn stayed behind the baseline, not taking many chances in his shotmaking. In the fifth game of the set, Augustyn's opponent opened the door by double faulting the game away. However, Augustyn was unable to seize the opportunity to serve out the set.

This tremendously "intense" match, as described by Coach Hamilton, was to be decided in a third set tiebreaker. Augustyn dominated the tiebreaker, hitting clean forehand and backhand winners. He finished the tiebreaker with a bit of scrambling that was particularly impressive because it came at the end of a long, grueling match.

The match was "the most physically demanding match of the year," said Augustyn. "I knew that we had to win that match."

Indeed each of MIT's victories were required. Rossello won his number four match in straight sets, but the match lasted as long as the number one match.

"I felt that I had control of the match. My game was bothering [my opponent's] game," said Rossello.

MIT looks for continued success in their matches against Wheaton, Trinity, and the Coast Guard this week.

# Seconds Take Columbia

Crew, from Page 27

Beavers to take a two seat lead just before the sprint.

"We all just decided to take the race back and make the boat go fast in a test of wills," said Scepanovic. MIT crossed the line just fractions of a second ahead of Columbia in 6:24.70 to their 6:24.75. The margin of victory was just a few feet.

The freshmen eight's race did not come down to such a tight margin, although the competition was fierce for the first few hundred meters of the course. The Light Blue (6:25.6) then proceeded to move steadily away from the

Beavers (6:35.7) to claim victory.

'We rowed well, but not enough of the freshmen team took winter training or spring break seriously enough to beat teams like these," said Stroke Sam Sarcia '04. "We all need to dedicate ourselves a little more to the sport if we're going to win.'

The freshman hope to claim their first race next weekend when MIT travels to Worcester to take on Williams, WPI, and Connecticut College. The second varsity hopes to win more comfortably there. The varsity team will work this week and next on bringing up boat speed for future league competition.

# Tennis Sweeps Week MIT Track Overtakes WPI, RPI

Track and Field, from Page 28

Melanie A. Miller '04 took third. Miller again exhibited her great hurdle skills in her first ever 400m hurdles race where she came in second.

In the 100m dash, Adeline L. Kuo '02 took second, set a personal record, and qualified for New England Division IIIs in 13.34 seconds. Chinwe P. Nyenke '04 and Miller crossed the finish line almost exactly at the same time for fourth and fifth places. MIT also did well in the 200m dash as Kuo set a personal record and took third. Chi-An Wang '01 and Catherine Tweedie '04 came in fourth and sixth. In the 400m dash, Kimberly J. Seluga '02 and Chidinma C. Obi '04 set personal records and placed second and third.

Wang led MIT in the 800m run, as she placed second. Cotton followed behind in fourth, as she set a personal record in this event. In the first relay of the day, the 4x100m relay members, Kuo, Miller, Obi, and Nyenke cleanly passed the baton around the track for an easy win. The 4x400m and 4x800m relays both took second.

On the field, Miller and Nyenke took second and third in the long jump while Nyenke also took third and broke the rookie record in the triple jump with a leap of 32'10". Kathryn M. Duffy '04 leaped to a sixth place finish in the triple and soared to a personal record and fourth place finish in the high jump.

Tweedie had a good day in the pole vault as she cleared nine feet, took second, and qualified for ECACs. Julie M. Pinkston '04 took sixth.

In the throws, Princess Imoukheude '02 led MIT in the shot put and the hammer throw with third and first place finishes, respectively, qualifying for ECACs in the shot and All N.E.s in the hammer. Janine Buseman-Williams '01 set a personal record in the hammer for second place while Crystal S. Ray '04 took fifth in both the shot and the hammer. Ray also won the discus with an ECAC-qualifying throw of 110'1". Imoukheude and Miquela C. Vigil '03 followed in second and sixth.

This coming weekend, MIT will compete at Colby against other Maine schools.

# SCOREBOARD

- 2 Adeline Kuo 13.34 [PR] \*
- 4 Chinwe Nyenke 14.06 [PR] 5 Melanie Miller 14.07 [PR]

#### 100-meter hurdles

l Nydia Clayton 16.19 [PR] \*\* 3 Melanie Miller 18.59 [PR] Chinwe Nyenke DNF

- 3 Adeline Kuo 27.78 [PR]
- 4 Chi-An Wang 29.99 [PR]
- 6 Catherine Tweedie 30.43 [PR]

- 2 Kim Seluga 65.94 [PR] 3 Cheetah Obi 67.44 [PR]

#### 400-meter hurdles

2 Melanie Miller 79.52 [PR] Chinwe Nyenke DNF

- 2 Chi-An Wang 2:25.50 4 Sarah Cotton 2:35.59 [PR]
- 8 Julie Pinkston 2:56.66 [PR]

#### 1500-meter

- 2 Martha Buckley 5:01.90 [PR] \*
- 5 Sarah Cotton 5:24.76 [PR]
- 6 Sarah Perlmutter 5:27.82 [PR]
- 9 Julie Pinkston 5:56.28 [PR] 11Elina Groberman 6:34.16 [PR]

- 1 Martha Buckley 10:49.58 [PR] \*\* 3 Sarah Perlmutter 12:28.74 [PR]
- 5000-meter
  - 1 Melanie Harris 19:54.24 [PR]
  - 2 Marissa Yates 21:11.04 [PR]
  - 3 Sharon Cohen 27:34.84 [PR]

- 4 Kate Wasserman 50:25.74 [PR] 5 Grace Nam 58.17.64 [PR]

#### Hammer Throw

- I Princess Imoukhuede 145-5 \*\*\*
- 2 J. Buseman-Williams 111-9 [PR] 5 Crystal Ray 103-9 [PR]
- 7 Miquela Vigil 90-0
- 8 Monica Morrison 84-5 [PR]

#### Disscus Throw

- 1 Crystal Ray 110-1 [PR] \*\* 2 Princess Imoukhuede 106-2 [PR]
- 6 Miquela Vigil 82-0
- Janine Buse.-Will. 73-4 [PR]
- 8 Monica Morrison 65-2 [PR]

- 3 Princess Imoukhuede 38-2 1/4 \*\* 5 Crystal Ray 35-10 1/2 [PR] \*
- 7 Miquela Vigil 30-3

- 4 Kathryn Duffy 4-6 [PR] 7 Catherine Tweedie 4-4 [PR]

#### 2 Catherine Tweedie 9-0 [PR] \*\* 6 Julie Pinkston 6-6 [PR]

- 2 Melanie Miller 15-4 3/4 [PR]

#### 3 Chinwe Nyenke 15-4 1/2 [PR]

- Triple Jump 3 Chinwe Nyenke 32-10 [PR,RR]
  - 6 Kathryn Duffy 27-00 [PR]

- 1 MIT 54.13 <TB 2001>
- (Adeline Kuo, Melanie Miller, Cheetah Obi, Chinwe Nyenke)

#### 4x400 relay

- 2 MIT 4:29.62 <TB 2001>
- (Adeline Kuo, Melanie Miller, Catherine Tweedie, Sarah Cotton)

#### 4x800 relay

- 2 MIT 10:47.43 <TB 2001>
- (Chi-An Wang, Kim Seluga, Marissa Yates, Melanie Harris)

#### Team Scores:

- 1 MIT 158 (2-0)
- 2 RPI 130
- 3 WPI 89

#### Statistics:

- 41 new PRs + 0 old = 41 season to date
- 0 new VRs + 0 old = 0
- 3 new TBs + 0 old = 3
- 9 new N.E. Div. III qualifiers + 0 old = 9
- 6 new ECAC qualifiers + 0 old = 6 1 new All N.E. qualifiers + 0 old = 1

- PR = Personal record Outdoors
- VR = Varsity record
- RR = Rookie record
- \* = NE Div. III qualifier
- \*\* = ECAC qualifier
- \*\*\* = All NE qualifier
- \*\*\*\* = NCAA qualifier (provisional) \*\*\*\*\* = (automatic) National qualifier

#### TB = Team best < relays 2001>

# MIT Baseball Off to Solid Conference Start with Victory over Wheaton

Baseball, from Page 28

tured a gritty pitching performance by Perryman, who gave up no earned runs and struck out four in four innings of relief for the win.

Starter Douglas L. Allaire '04 surrendered his first earned runs of the year, raising his ERA to 1.50, but turned in another solid performance with five strikeouts and one walk. Center fielder Alvan Eric P.

Loreto '01 continued to emerge from an early-season slump, going 2

#### for 4 with a double, a triple, an RBI, and two runs scored.

MIT falls to Brandeis 7-1

Friday the Engineers again took Francis O'Brien Field to play host Brandeis University, and the result was a 7-1 loss in a rain-shortened five-inning contest.

Sophomore righty Mike Parissi

went the distance, scattering five hits to snap a six-game losing streak for the Judges (13-8).

The lone Beaver run came on a disputed second-inning home run to left by right fielder David J. Ostlund '04. Despite the loss, the Engineers played improved defense in committing only one error.

#### Tech picks up a win at Wheaton

MIT traveled to Wheaton Saturday for a doubleheader against the defending conference champion and first-place Lyons. In game one Wheaton pounded

out 10 hits to go along with four Tech errors, and the result was a 7-1 MIT loss. The loss overshadowed solid offensive production from Kogel (3 for 3, 1 double) and Loreto (2 for 3, 2 stolen bases) and reliable pitching from righty Brian S. Nykiel-Furgala '02.

In Game two David found a way to slay Goliath, as MIT jumped out to a six-run lead and withstood a furious Wheaton rally before notching an 8-7 victory. Although the Lyons consistent-

ly scored runs, the comeback fell short when Wheaton designated hitter Alan Beausoleil grounded out to MIT third baseman Edward I. Duggan '04 to end the game. Beausoleil stranded the tying runner at second. Jeffrey J. Billing '01 pitched 4 1/3 strong innings for the victory, and Perryman's 2 2/3 innings of relief earned him the

With the win in the second game Tech snapped a 16-game conference winning streak for the Lyons (13-6, 5-1 NEWMAC) dating back to last year. It did so on the strength of clutch hitting and solid defense. Five of the Engineers' eight runs were driven in with two outs, and they made only one error in the game.

Offensive highlights were provided by Ostlund (2 for 3, 3 stolen bases, 3 runs scored), Loreto (1 for 3, double, stolen base, 1 RBI), and Robert L. Wieker '03 (1 for 2, 2

Coming off a Monday visit to local powerhouse Tufts University, MIT (3-8, 2-2 NEWMAC) returns home today for a 3:30 p.m. contest against conference rival Babson College. The Engineers then make a 40-mile trip down Interstate 90 Thursday for their second meeting of the year with WPI. With these two huge conference games looming, MIT must hope the momentum from the Wheaton upset has them putting their feet on steady ground - rather than their heads in the clouds.



# Crew Drops Cup to Columbia

By Brian Richter

MIT heavyweight men's crew opened its spring racing season at home Saturday against the Colum-

bia Lions. While only the second varsity eight defeated the Light Blue, the rest of the squad raced well for their first appearance of the year.

The second varsity eight are Melissa E. Light '01 (cox), Jorge A. Panduro '01 (stroke), Collins P. Ward '03, Sidney E. Henderson '03, Stephen P. Bathurst '03, Patrick R. Buckley '03, Keith W. Vanderlinde '02, Obrad Scepanovic '02, and Mark H. Jhon '01.

The first varsity eight crossed the line in 6:11.3, a small margin of open water down to Columbia (6:05.7). The Beavers jumped off the line with the Lions and held even through about 500 meters into the race when the Light Blue began moving steadily away, taking a seat about every 250 meters. MIT took back seats during several planned moves; however, Columbia's more experienced crew always answered back.

The first varsity eight are Jonathan L. Berkow '03 (cox), Thomas A. Becker '03 (stroke), Nicholas K. Abercrombie '03, Joshua G. Kubit '03, Martin M. Tolliver '03, Andrew D. Copeland '01, Jason M. Bell '02, Igor L. Belakovskiy '01, and Brian K. Richter '02.

"We raced them really well and showed a lot of potential considering it was our first of the year and our boat has only been together one week," said Becker. "Now we have the opportunity to train really hard over the next six weeks before we get them at Sprints."

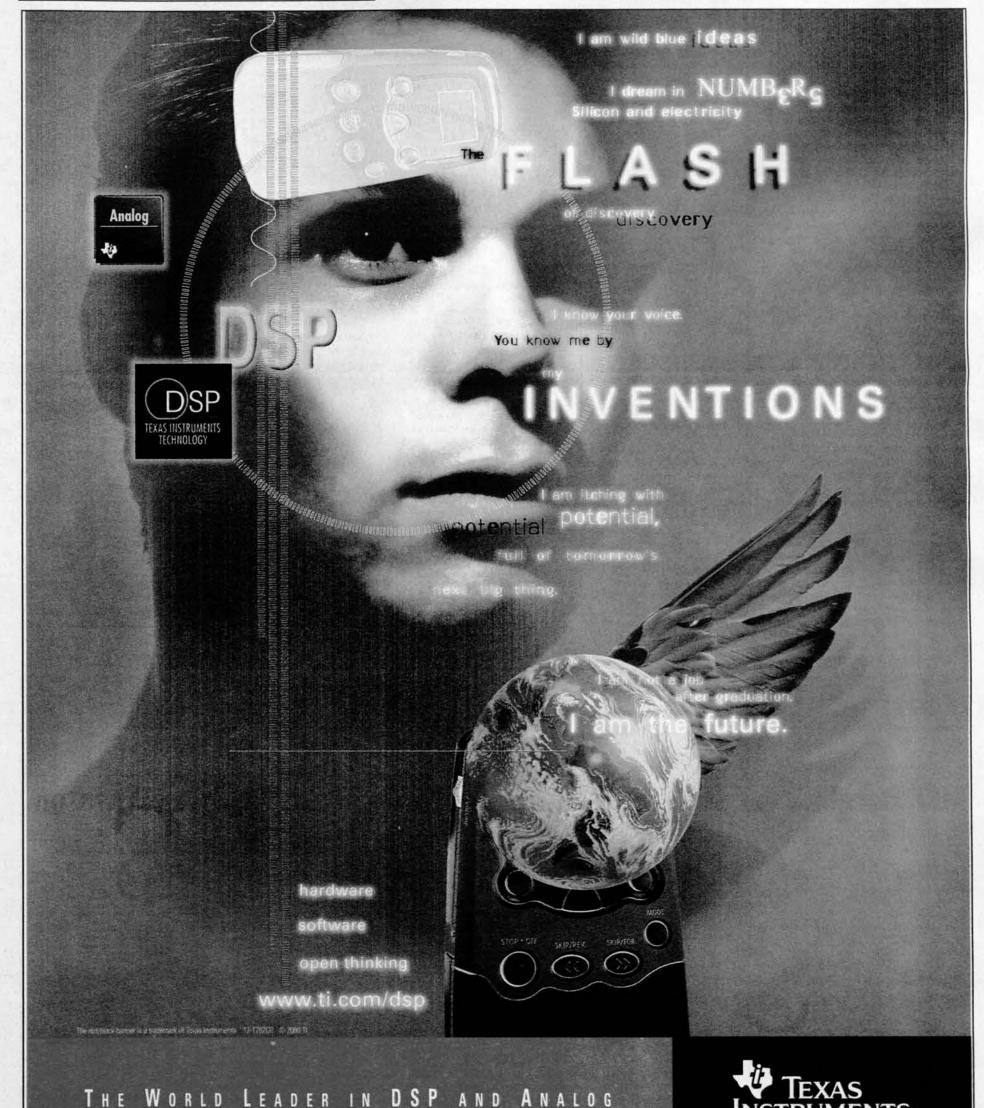
The Columbia varsity team featured six seniors who have rowed together for four years, whereas the MIT squad's core lies in its sophomore strength. Columbia finished 15th at Division I National Championships last year and expects to do significantly better this year, as they only lost one member of that boat.

The MIT second varsity boat, which also featured a sophomore core, proved stronger than Columbia. MIT moved first off the line and broke free of Columbia early on. The Lions moved even just before the 1000 meter mark, but the Beavers were able to push them back to maintain a six seat lead. At 1500 meters into the race, the Light Blue moved a whole length on the

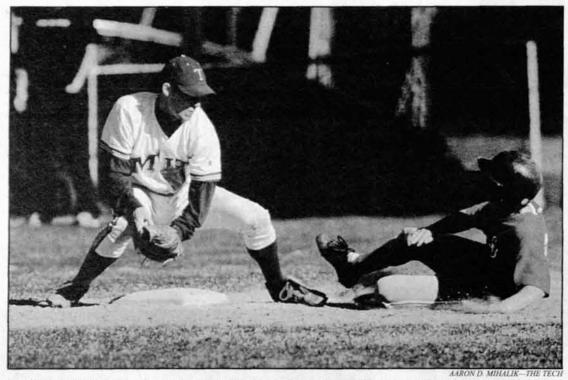
Crew, Page 26



6-3), despite having only one error on defense the whole day.



# SPORTS



The MIT third baseman slaps a tag on a Clark baserunner during the men's baseball game on Thursday.

# **Tech Stops Wheaton** Streak at 16 Games

By Alvan Eric P. Loreto

In a season of one uphill battle after another, the ground has started to look a bit more level for the Tech baseball team

After a 1-7 start,

the team has rebounded to go 2-2 in its past four games, with the highlight being Saturday's upset over NEWMAC frontrunners Wheaton College in the nightcap of a road doubleheader. The thrilling victory, which evened MIT's conference record at 2-2, energizes the shaky squad as it nears the halfway point of its season.

#### Engineers rally to beat Clark

The Engineers picked up their first conference win with a 7-6 come-from-behind victory against

afternoon. The Beavers rallied on the strength of three unearned runs late in the contest to send the Cougars to defeat.

With MIT down 6-4 in the bottom of the eighth inning, Clark sophomore starting pitcher Keith Rybicki loaded the bases with two outs before giving way to senior reliever Henry Wheelwright. Wheelwright's first two pitches hit the dirt en route to the backstop, scoring Tech baserunners Patrick G. Lo '04 and Bryan P. Perryman '01. Jonathan I. Reznik '04 then picked up the game-winning RBI by driving a 3-2 fastball to the fence for a double, scoring John J. Kogel '03.

The narrow victory over the Cougars (2-8, 0-2 NEWMAC) fea-

Baseball, Page 26

# Meet Over WPI, RPI

By Adeline Kuo TEAM CO-CAPTAIL

This past Saturday, MIT showed RPI and WPI who the real engineers are as Tech track defeated them 158-130-89 respectively. To start off the

meet, the 10K runners

made good showings with rookies Kathryn S. Wasserman '04 and Grace Nam '01 setting personal records and taking fourth and fifth places. More personal records were set in the 5K as Melanie L. Harris '01, Marissa L. Yates '03, and Sharon B. Cohen '04 placed first, second, and third.

personal records in the 1500m race, as Martha W. Buckley '04 placed second in a time of 5:01.90 to qualify for New England Division III Championships, and Sarah E. Cotton '04 and Sarah K. Perlmutter '02 took fifth and sixth places. In the 3000m race, Buckley came back to win in a personal record time of 10:49.58, which qualifies her for ECACs. Perlmutter also set a personal record in the 3K to take third.

In 100m hurdles, Nydia M. Clayton '04 easily won in 16.19 seconds to qualify for ECACs.

Track and Field, Page 26



Jeffrey P. Augustyn '03 backhands a shot during the tennis match against Bowdoin. Augustyn won his match in a third set tiebreaker.

# Tennis Dominates Week

By Robert Aronstam

Men's tennis won each of their four matches last week, beating Tufts, WPI, Clark, and Bowdoin. The results improve their record to 9-2 overall (2-0 NEW-

MAC).

Engineers topped the Tufts Jumbos by a score of 5-2 on Tuesday. MIT

claimed the doubles point by winning the number one and number two matches, both by a score of 8-4. The Engineers also took four of the six singles matches, thus securing a 5-2 victory. Marco A. Hernandez '03, Ricardo A. Rossello '01, and Luke D. Tomycz '02 won their matches in

Kolesnikov '03 won his match by convincing scores in the second and

The next day, MIT blanked Worcester Polytechnic Institute, winning all nine matches

On Saturday, MIT easily bested the Clark University squad 7-0. The team's results were well reflected by the number six singles match. Michael H. Ogrydziak '04 had his way against his much less experienced Clark opponent. Ogrydziak easily hit winners off both the forehand and backhand. He also cleared the court with several overhead smashes. Ogrydziak turned in a

Tennis, Page 26

# Women's Track Takes | Springfield's Second Half Scoring Run Pushes Pride Past Women's Lacrosse

Seven Point Run Gives Springfield 13-9 Win Despite Six Points from Cheng

By Robert Aronstam

The women's lacrosse team fell to Springfield College by a score of 13-9 on Saturday. Although the con-

test was evenly matched in the first half, Springfield's dominance in the second half gave them

After Springfield scored the opening goal of the match, MIT's Debbie Cheng '04 answered with a score of her own. Thus began a first half battle that yielded four different tie scores. Both teams maintained possession of the ball for nearly equal amounts of time, allowing both squads to have several scoring opportunities. When MIT was on offense, they looked to Cheng to take the shots on goal.

Cheng was up to the challenge. The freshman attacker found the holes in the Springfield defense with ease, scoring each of the team's six firsthalf goals. Cheng relentlessly wove through the Springfield defense, leaving the defenders on their heels. However, the Springfield offense matched Cheng's scoring spree, making the score 6-6 at halftime.

Going into the second half, the match appeared as if it would be a nail-biter. Springfield College had

The Springfield Pride roared their way to a 7-0 run to open the second half of play and dominated the game by refusing to relinquish possession. They forced MIT into poor play, which included countless errant passes. MIT was unable to top Springfield's offense and v unable to launch a counterattack of its own until it was too late.

The comeback attempt began with five minutes remaining with a

goal from Theresa Cheng '02. With the desperation mounting, Jennifer M. Fiumara '02 took matters into her own hands. In possession of the ball while near the Springfield goal, she lowered her shoulder and drove straight into the defense, drawing a foul. Fiumara was unable to capitalize on the ensuing direct shot. Undeterred, Fiumara attempted the

same move on her next possession. This time, Fiumara picked apart the Springfield defense, scoring an unassisted goal. Sarah Briggs '03 added MIT's final goal as the buzzer sounded.

The loss to Springfield drops MIT's record to 1-5 for the season. The women take on Endicott College at home on Tuesday at 5:00 p.m.



AARON D. MIHALIK-THE TECH

Debbie Cheng '04 strides through the Springfield defense during the women's lacrosse game on Saturday. MIT lost 13-9.

#### UPCOMING HOME EVENTS

Tuesday, April 10

Baseball vs. Babson College, 3:30 p.m. Softball vs. Babson College, 3:30 p.m. Men's Lacrosse vs. Connecticut College, 4:00 p.m. Women's Lacrosse vs. Endicott College, 5:00 p.m.

Saturday, April 14

Baseball vs. Springfield, 12:00 p.m. Men's Tennis vs. U.S. Coast Guard Academy, 1:00 p.m. Men's Lacrosse vs. Maine Maritime Academy, 3:00 p.m.

Tuesday, April 17

Softball vs. Wheaton College, 3:30 p.m. Men's Lacrosse vs. Clark University, 4:00 p.m. Women's Lacrosse vs. Wheaton College, 6:00 p.m.